

POLYOXYETHYLENE OCTYLPHENOL ETHER (OP)

Performance & Applications

A kind of multifunctional non-ionic special surfactant;
An extraordinary emulsifying performance with a good hydrophile-lipophile balance;
Fulfillment of specific wetting and dispersing requirement for pigment wettability and stability.
Widely used in farm chemicals, metal processing, oil field additives and etc..

Polyoxyethylene octylphenol ether (OP)

Spec.	Appearance	Chroma	pH (1%)	water content (%)	Cloud point (°C, 1% aqueous solution)	Hydroxyl value (mgKOH/g)	Packaging
OP-8.5	Colorless to light yellow transparent liquid	≤50	5.0-7.0	≤0.5	58.0-62.0	93.0-100.0	200kg/drum or acc. to customers' requirement
OP-9	Colorless to light yellow transparent liquid	≤50	5.0-7.0	≤0.5	66.0-70.0	86.0-96.0	200kg/drum or acc. to customers' requirement
OP-10	Colorless to light yellow transparent liquid	≤50	5.0-7.0	≤1.0	72.0-78.0	83.0-91.0	200kg/drum or acc. to customers' requirement
OP-40	White flake	≤50	5.0-7.0	≤1.0	--	22.5-31.5	25kg/kraft bag



Great Emulsifiability

Widely used in various kinds of detergents, emulsion and emulgator;
Contribute to better dispersing and dirt removal;
Improve the stability and transparency.



Great Wettability

Swiftly decrease the surface tension of liquid, improving the wettability on the surface of the solid.
Widely used in Textile Industry, Paper Making, Pesticide Formulation etc.



Resistant to Acid, Alkali, Salt and Hard Water

Keep stable state under all various harsh chemical environment;
Effective and durable in various application scenarios.



Safe

Great emulsifiability, wettability and stability;
An important part in multi-industrial fields.

RANDOM POLYETHER

Performance and Application

Spec.	Appearance	Molecular weight	Acidity value (mgKOH/g)	Packaging
Random Polyether of Propylene Glycol PPE-1500	Colorless liquid	1500±100	≤0.5	200kg/drum or IBC drum
Glycerol Random Polyether GPE-3000	Colorless thick liquid	3000~3300	≤0.5	200kg/drum or IBC drum
Butanol Random Polyether BPE-1000	Colorless liquid	1000±100	≤0.5	200kg/drum or IBC drum
Butanol Random Polyether BPE-1500	Colorless liquid	1500±100	≤0.5	200kg/drum or IBC drum
Butanol Random Polyether BPE-2500	Colorless liquid	2500±150	≤0.5	200kg/drum or IBC drum
lauric acid random polyether LPE-1200	Colorless liquid	1200±100	≤0.5	200kg/drum or IBC drum
lauric acid random polyether CPE-1500	Colorless liquid	1500±100	≤0.5	200kg/drum or IBC drum
Cetearyl alcohol random polyether CPE-2000	Colorless liquid	2000±200	≤0.5	200kg/drum or IBC drum

- 1 Macromolecule surfactants with distinctive performances. Normally not moisture absorption, low toxicity and foaming power but good dispersion effects. Strong emulsibility and good low temperature fluidity.
- 2 Used as low foaming detergents, emulsifiers, defoamers and levelling agents of fabric, anti-static agents, cooling solution of metal cutting, high speed spinning agents, lubricants and adhesives.
- 3 Used as smoothing agents in oiling agents of chemical fiber.

ALLYL ALCOHOL POLYETHER

Allyl alcohol polyether Technical Specification

Spec.	Appearance	Hydroxyl value (mg KOH/g)	iodine value (gl2/100g)	pH (1%aqueous solution, 25°C)	Packaging
RJ-APEG450	Transparent liquid	110.0-125.0	49.0-55.0	5.0-7.0	200kg/drum or acc. to customers' requirement
RJ-APEG550	Transparent liquid	95.0-108.0	38.5-48.5	5.0-7.0	200kg/drum or acc. to customers' requirement
RJ-APEG750	Transparent liquid	71.0-78.0	30.0-35.0	5.0-7.0	200kg/drum or acc. to customers' requirement
RJ-APEG1000	Transparent liquid	55.0-58.0	23.5-27.5	4.0-8.0	200kg/drum or acc. to customers' requirement

Great silicone oil modifiers and the modified ones can be used as high performance sealants, flattening agents, high effective defoamers, foam stabilizers of flexible and rigid polyether, hair care conditioners, wetting agents, synergist for farm chemicals;

Also used in automobile internals, house furniture, sofas, home appliances, architecture, foamed polyurethane materials of cold-chain logistics thermal insulation;

Farm chemicals like herbicides, pesticides and etc.;

Hair conditioners, fixative, conditioner shampoo.

Polyether F6

Spec.	Appearance (25°C)	Hydroxyl value (mg KOH/g)	Water (%)	Double key value	Packaging
Polyether F6	Colorless transparent liquid	42.0-48.0	≤0.5	Degree of unsaturation ≥0.5mmol/g	200kg/drum or acc. to customers' requirement

- ① Dissolved in the water and some organic solvents.
- ② Double keys, react with silicone oil containing hydrogen, making textile straight and smooth, live, ventilating, anti-static and etc..
- ③ Used as main raw materials of making polyurethane silicone oil, water soluble silicone oil, foam stabilizer of organic silicone.

ALKYNOL POLYETHER

Acetynediol polyoxyethylene ether

Spec.	Chemical Name	Appearance	Content of active matters (%)	Packaging
RJ440	Decyenediol polyoxyethylene ether	light yellow transparent liquid	≥98.0	200kg/drum or IBC drum
RJ465	Decyenediol polyoxyethylene ether	light yellow transparent liquid	≥98.0	200kg/drum or IBC drum
RJ604	Dodecynol polyether	light yellow transparent liquid	≥98.0	200kg/drum or IBC drum
RJ607	Dodecynol polyether	light yellow transparent liquid	≥98.0	200kg/drum or IBC drum

Acetynediol polyoxyethylene ether serials effectively reduce the surface tension of water-based system, wet the organic dyestuff;

Increase the dynamic wetting ability of the system towards all kinds of base materials;

Low static and dynamic state surface tension, improving the flow levelling.

Propargyl alcohol polyether

Spec.	Appearance (25°C)	Content (%)	pH value	Packaging
PME	Yellow to light yellow transparent liquid	≥98.0 (GC)	3.0-7.0	25kg dark color plastic drum or acc. to customers' requirement
PAP	Yellow to light yellow transparent liquid	≥98.0 (GC)	3.0-7.0	25kg dark color plastic drum or acc. to customers' requirement

Alkynyl alcohol ether serials, low foaming, strongly decreasing surface tension, are non-ionic surfactants;

Base materials wetting agent of water-based systems like water-based paintings, printing ink;

Brightener and levelling of electro nickelling, levelling agent;

Metal corrosion inhibitor in oil field.

SPECIAL POLYETHER

Defoamer Glycerol Propoxylate-B-Ethoxylate

Spec.	Appearance (25°C)	Acid value (mgKOH/g)	Hydroxyl value (mgKOH/g)	Packaging
GPE	Colorless liquid, transparent thick liquid	≤0.5	45.0-60.0	200kg/drum or acc. to customers' requirement

Defoaming, inhibit foam from regenerating.

Alkylphenol Polyoxyethylene Polyoxypropylene Ether

Spec.	Appearance (25°C)	Color (Pt-Co)	Cloud point (1%aqueous solution, °C)	pH (1%aqueous solution)	Packaging
OPE-108	Colorless to light yellow oily substances	≤50	30.0-35.0	5.0-7.0	200kg/drum or acc. to customers' requirement
OPE-105	Colorless to light yellow oily substances	≤50	38.0-44.0	5.0-7.0	200kg/drum or acc. to customers' requirement

1. Easy to be dissolved in the water with no swelling with great emulsification, detergency, penetrating;
2. One of the components of synthetic fiber oil agents with good fluidity under low temperature.
3. Used as auxiliaries in level dyeing, diffusion, wetting, detergency in printing and dyeing industry.

2-naphthol glycol ether

Spec.	Control spec.	Test method	Packaging
Appearance	Brown transparent liquid	Visual observation	200kg/drum or 25kg/plastic drum
Water content/(%)	≤0.5	GB/T 7380	
pH	7.0±1.0	GB/T6368-2008 (1% aqueous solution)	
Density/(g/cm ³), 25°C	1.10-1.15		
Viscosity/mPa·s, 25°C	200.0-700.0	Rotary viscosimeter	
Hydroxyl value/mgKOH/g	85.0±2.0	GB/T12008.3-2009	
Cloud point /°C	70.0±2.0	GB/T 5559, (NaCl solution)	

2-naphthol glycol ether is a kind of non-ionic surfactant, used as emulsifier, wetting agent and dispersant and also widely used including all kinds of fields such as emulsion polymerization, oil paint, coating.

BUILDING ADMIXTURE

Polycarboxylate Superplasticizer Monomer Serials

Name	Spec.	Appearance	Water content (%)	Double key retention rate	Packaging
Polyethylene Glycol Monomethyl ether	RJ-MPEG serials	White paste	≤0.5	---	200kg/drum
Methylallyl polyoxyethylene ether	RJ-SH serials	White flake	≤0.4	≥92.0	25kg White bag
Isopentenyl polyoxyethylene ether	RJ-ST serials	White flake	≤0.4	≥92.0	25kg White bag
Vinyl glycol ether polyoxyethylene ether	RJ-SE serials	White flake	≤0.5	≥90.0	25kg White bag
Vinyldiethylene glycol ether polyoxyethylene ether	RJ-SV serials	White flake	≤0.5	≥90.0	25kg White bag

The polycarboxylate superplasticizer of high performance can be used to prepare concrete of slow condensing, precast concrete, cast-in-place concrete, high performance concrete, high mobility concrete, bulk concrete, high strength concrete and other concrete products with special functions, widely used in high speed railways, large bridges, hydraulic engineering, water power, nuclear power, subway, express way, harbor wharfs and all kinds of industrial and civil engineering projects.

Solid Superplasticizer

Name	Spec.	Appearance	Water content (%)	Packaging
Water-reducing solid superplasticizer	RJ-PS01 serials	White to light yellow flake or powder	≤3.0	25kg White bag
Slump-proof solid superplasticizer	RJ-PS02 serials	White to light yellow flake or powder	≤3.0	25kg White bag
Mortar solid superplasticizer	RJ-PS03serials	White to light yellow powder	≤3.0	25kg White bag

Hydraulic engineering, hydroelectric, nuclear power, subway, expressway, harborwarf and all kinds of civil engineering projects and so on.

FATTY ALCOHOL POLYETHER

High Carbon Fatty Alcohol Polyoxyethylene Ether & CETEARETH

Spec.	Appearance (25°C)	Hydroxyl Value (mgKOH/g)	Water content (%)	Packaing
MOA-3	Colorless transparent liquid	141.0-149.0	≤0.4	200kg/drum or acc. to customers' requirement
MOA-5	Colorless transparent liquid	114.0-119.0	≤0.4	200kg/drum or acc. to customers' requirement
MOA-8	Colorless transparent liquid	89.0-95.0	≤0.4	200kg/drum or acc. to customers' requirement
MOA-9	Milk white paste	83.0-89.0	≤0.4	200kg/drum or acc. to customers' requirement
MOA-10	Milk white paste	77.0-85.0	≤0.4	200kg/drum or acc. to customers' requirement
MOA-15	Milk white paste	55.0-65.0	≤0.4	200kg/drum or acc. to customers' requirement
MOA-20	Milk white solid	43.0-49.0	≤0.4	25kg/kraft bag
MOA-25	Milk white solid	35.0-45.0	≤0.4	25kg/kraft bag
MOA-40	Milk white solid	26.0-30.0	≤0.4	25kg/kraft bag

Dissolved in water with great emulsification, detergency and wetting, great emulsification, dispersion and wetting to mineral oil, animal and vegetable oil;

Wool Textile Industry: used as wool detergent and degreaser, scouring agent and detergent of fabric;

Important component of liquid detergent;

Emulgator in cosmetics and ointment production and glass fiber drawing oil agent.

Iso-tridecanol polyoxyethylene ether

Spec.	Appearance (25°C)	Hydroxyl Value (mgKOH/g)	Water content (%)	Packaing
ISO-1303	Colorless to light yellow liquid	170.0±5.0	≤0.5	200kg/drum or acc. to customers' requirement
ISO-1305	Colorless to light yellow liquid	133.0±5.0	≤0.5	200kg/drum or acc. to customers' requirement
ISO-1307	Colorless to light yellow liquid	110.0±5.0	≤0.5	200kg/drum or acc. to customers' requirement
ISO-1309	Colorless to light yellow liquid	95.0±5.0	≤0.5	200kg/drum or acc. to customers' requirement
ISO-1310	Colorless to white pasty fluid	88.0±5.0	≤0.5	200kg/drum or acc. to customers' requirement
ISO-1340	White flakes	24.0-34.0	≤0.5	25kg/kraft bag

Dispersed or dissolved in the water with an excellent wettability, penetrability and emulsibility. A small amount of the products to be put into the pre-treatment formulas, excellent refining performance. Used as the components of degreasants, detergents, emulsifiers and scouring agents. Used as metal processing accessory ingredients, multi-functional detergents, decontamination solubilizers, detergents of home care, detergents of vehicles, public facilities, ultrasonic wave. Special emulsifying effects to amino-silicon oil and simethicone, increase the effects after use, less emulsifiers than normal silicon oil with stable performance of solution, which can penetrate to the inside of the fiber to gain a more satisfying softness.

FATTY ALCOHOL POLYETHER

Emulsifier AEO

SPEC.	Appearance (25°C)	Hydroxyl value (mgKOH/g)	Water content (%)	Packaging
AEO-3	Colorless liquid	162.0-172.0	≤0.5	200kg/drum or acc. to customers' requirement
AEO-5	Colorless or white liquid or pasty fluid	132.0-140.0	≤0.5	200kg/drum or acc. to customers' requirement
AEO-7	Colorless or white liquid or pasty fluid	110.0-114.0	≤0.5	200kg/drum or acc. to customers' requirement
AEO-9	Colorless or white liquid or pasty fluid	91.0-99.0	≤0.5	200kg/drum or acc. to customers' requirement
AEO-15	Colorless or white liquid or pasty fluid	60.0-70.0	≤0.5	200kg/drum or acc. to customers' requirement
AEO-20	Colorless or white liquid or pasty fluid	47.0-57.0	≤0.5	200kg/drum or acc. to customers' requirement
AEO-30	Colorless or white liquid or pasty fluid	35.0-39.0	≤0.5	200kg/drum or acc. to customers' requirement

Lipophilic emulsifier, increasing the solubility of some products in organic solvents, used as emulsifiers of making W/O type emulsifier; Also be used as the efficient ingredients for oil in synthetic fiber industry.

POE Secondary al-cohol ether

Spec.	Appearance (25°C)	Pt-Co	PH (1% aqueous solution)	Cloud point	Hydroxyl number	Packaging
RJS-3	Clear liquid	< 100	5.0-7.0	-	168.0±5.0	200kg/drum or acc. to customers' requirement
RJS-5	Clear liquid	< 100	5.0-7.0	-	133.0±5.0	200kg/drum or acc. to customers' requirement
RJS-7	Clear liquid	< 100	5.0-7.0	33.0±5.0	110.0±5.0	200kg/drum or acc. to customers' requirement
RJS-9	Clear liquid	< 100	5.0-7.0	58.0±5.0	94.0±5.0	200kg/drum or acc. to customers' requirement
RJS-12	Hazy liquid	< 100	5.0-7.0	82.0±5.0	77.0±5.0	200kg/drum or acc. to customers' requirement
RJS-15	White paste	< 100	5.0-7.0	-	65.0±5.0	200kg/drum or acc. to customers' requirement
RJS-40	White paste	< 100	5.0-7.0	-	29.0±5.0	200kg/drum or acc. to customers' requirement

Widely used in Textile, paper making and metallurgy industry. As surfactants with operability, great wetting, well-portioned foam, great capability of decreasing surface tension, low viscosity and flowing point.

Polyoxyethylene isoctyl ether

Spec.	Appearance (25°C)	pH (1% aqueous solution)	Cloud point (°C)	Packaging
JFC	Light yellow transparent to milky liquid	6.0-7.5	40.0-50.0 40.0-55.0 64.0-68.0	200kg/drum or 25kg/plastic drum

1. Used as high performance penetrant with washability and oil dispersion capability.
2. Used as detergents, penetrant of hard surface; penetrants, dispersants, degreasing agents in Textile and Dyeing Industry; penetrant of leather coating etc.

PHE

Ethylene Glycol Phenyl Ether

Chemical Name	Appearance (25°C)	PHE content (%)	Residule amount of phenol (mg/kg)	Packaging
Molecular formula	Colorless transparent liquid	≥95.0	≤10.0	200kg/drum or acc. to customers' requirement

- ① Used as fixing agents in perfume, also as vermifuge, disinfectants for external use, solvents of cellulose acetate, dyes, prints and ink, resins, corrosion removers and other medical uses. Used in anesthetic for fishes in aquaculture industry. Meanwhile, listed as one of the parts of the vaccines in the U.S.A.
- ② Soluble with mixture solubility, often used as diluents of perfume, excellent solvents and auxiliary penetrating agents of hair dye staff and nail polishing dye staff, solvents and ameliorants of oil and ink, ballpoint pen oil as well as penetrating agents of pad ink and etc..
- ③ Specific antibacterial activity to Pseudomonas aeruginosa, also to positive and negative bacterias of Gram. Due to its considerable solubility in water, white mineral oil, cosmetics like isopropyl vinegar palmitate, in addition, with its highly effective broad-spectrum, low toxicity, no irritability and irritation (2.2% aqueous solvents has no irritation to skin), therefore, it is widely used in the creams of cosmetics and shampoo.

Amine polyether

Fatty Amine Polyoxyethylene Ether

Spec.	Appearance (25°C)	water content (%)	Total Amine amount (mgKOH/g)	Packaging
AC-1802	Colorless to light yellow wax	≤0.5	150.0-165.0	200kg drum or 25kg/kraft bag
AC-1810	Yellow oil phase	≤0.5	75.0-85.0	200kg drum or 25kg/kraft bag
AC-1812	Yellow oil phase	≤0.5	65.0-75.0	200kg drum or 25kg/kraft bag
AC-1815	Yellow oil to paste phase	≤0.5	55.0-65.0	200kg drum or 25kg/kraft bag
AC-1820	Light brown paste phase	≤0.5	44.0-54.0	200kg drum or 25kg/kraft bag
AC-1830	Yellow paste phase	≤0.5	32.0-38.0	200kg drum or 25kg/kraft bag
AC-1860	Yellow paste phase	≤0.5	14.0-24.0	200kg drum or 25kg/kraft bag

- Used as anti-static agents in the plastics, additives in Textile industry.
- Used as levelling agents in dyestuff of reducing acidity, detergents, emulsifiers, dispersants, desizing agents, anti-static agents, softening agents in textile and printing industry;
- Also used as raw stock of viscose, increasing the fibrability and silk-proof of the raw stock. During alkalinization, remarkably decrease the power load, increase the loosening of alkali fiber.

Tallow alkyl amine ethoxylate

Spec.	Appearance (25°C)	Water content (%)	pH (1% aqueous solution)	Total Amine amount (mgKOH/g)	Packaging
NE-1805	Light yellow wax	≤0.5	9.0-12.0	105.0-115.0	200kg drum or 25kg/kraft bag
NE-1808	Yellow oil phase	≤0.5	9.0-12.0	81.0-91.0	200kg drum or 25kg/kraft bag
NE-1815	Colorless to light yellow wax	≤0.5	9.0-12.0	52.0-62.0	200kg drum or 25kg/kraft bag

- Widely used in emulsifiers, wetting agents, dispersants. The features of weak positive ions make it widely used in creams of farm chemicals and formulas of suspending agents.
- Also used as wetting agents to improve the absorption, penetration and adherence of water-soluble components with separate use or compound with other monomers in the production of farm chemicals emulsifiers. Additionally, it can be used as synergistic agents of glyphosate solution.

PAG OIL SOLUBLE POLYETHER

Technical specification

Spec.	kinematic viscosity (v40°Cmm2/s)	kinematic viscosity (v100°C,mm2/s)	Flow point (≤°C)	Water content (≤%)	Packaging
RJ-32	32.0	6.5	-55.0	0.2	200kg/drum or IBC drum
RJ-46	46.0	8.5	-55.0	0.2	200kg/drum or IBC drum
RJ-68	68.0	12.0	-45.0	0.2	200kg/drum or IBC drum
RJ-150	150.0	24.0	-37.0	0.2	200kg/drum or IBC drum
RJ-220	220.0	34.0	-37.0	0.2	200kg/drum or IBC drum
RJ-320	320.0	50.0	-35.0	0.2	200kg/drum or IBC drum
RJ-460	460.0	70.0	-34.0	0.2	200kg/drum or IBC drum
RJ-680	680.0	105.0	-30.0	0.2	200kg/drum or IBC drum

PAG type oil solubility polyether, as synthetic base oil, is featured on lubricants within the viscosity range, great viscosity temperature, carrying capacity, great low temperature, oxidation stability, resistance to fire, corrosion and hydrolysis, high flashing and ignition points, low ash content, non-toxic, low corrosion towards the metal and etc.. Currently, successfully used as high temperature lubricants, gear oil, compressor oil, hydraulic fluid, braking liquid and base oil for special greases.

POLYETHYLENE- POLYPROPYLENE GLYCOL

Technical Specification

Spec.	Appearance (25°C)	Mean molecular weight	Cloud point (°C)	HLB	Packaging
L31	Colorless transparent liquid	1100	37.0	3.5	200kg/drum or acc. to customers' requirement
L35	Colorless transparent liquid	1900	70.0-85.0	18.5	200kg/drum or acc. to customers' requirement
F38	White solid	5000	> 100.0	30.0	25kg/kraft bag
L42	Colorless transparent liquid	1630	37.0	8.0	200kg/drum or acc. to customers' requirement
L43	Colorless transparent liquid	1850	42.0	10.0	200kg/drum or acc. to customers' requirement
L44	Colorless transparent liquid	2200	61.0-68.0	12.0	200kg/drum or acc. to customers' requirement
L45	Colorless liquid to paste	2400	75.0-85.0	15.0	200kg/drum or acc. to customers' requirement
L61	Colorless transparent liquid	2000	17.0-26.0	3.0	200kg/drum or acc. to customers' requirement
L62	Colorless transparent liquid	2500	18.0-26.0	7.0	200kg/drum or acc. to customers' requirement
L63	Colorless transparent liquid	2650	34.0	11.0	200kg/drum or acc. to customers' requirement
L64	Colorless transparent liquid	2900	54.0-64.0	13.0	200kg/drum or acc. to customers' requirement
P65	Milk white paste	3500	75.0-85.0	15.0	200kg/drum or acc. to customers' requirement
F68	White flake solid	8650	> 100.0	29.0	25kg/kraft bag

- Used as low foam detergents or defoamers, also defoamers in paper-making or fermentation industry, blood circulation of artificial heart-lung machines to keep away the air from coming in.
- Used as excipients and emulsifiers of medicine with a low toxicity, in oral cavity, eyes, ear drops and hair lotion, dispersants in milky coatings, emulsifiers when polymerizing in Vinyl acetate emulsion, pesticides emulsifiers, cooling agents and lubricants in metal cutting and grinding;
- Demulsifiers of crude oil and effectively prevent the formation of hard scales inside the oil pipelines as well as the recycling of secondary oil.
- Effective wetting agents, which can be used for dyeing of fabric, acid bath of photographic development and electroplates.
- Emulsifiers, wetting agents, defoamers, demulsifiers, dispersants, anti-static agents, dedusting agents, regulatory agents of viscosity, foam control agents, levelling agents, gelatinizers and etc.
- Can also be used to produce agricultural chemicals, cosmetics, pharmaceuticals;
- Also detergents of metal processing, paper pulp and paper-making industry, textile processing, treatment of water quality;
- Also used as rinsing auxiliaries.

CRUDE OIL DEMULSIFIER

Crude Oil Demulsifier

Spec.	Appearance	Content (%)	pH (1% aqueous solution)	Packaging
AE serials (Polyalene polyamine serials)	Viscous	60.0	5.0-7.0	200kg/drum or acc. to customers' requirement
AR serials (phenolic resin serials)	Viscous	60.0	5.0-7.0	200kg/drum or acc. to customers' requirement
SP serials (Fatty alcohol serials)	paste	100.0	5.0-7.0	200kg/drum or acc. to customers' requirement
L serials (Propylene Glycol serials)	liquid	60.0	5.0-7.0	200kg/drum or acc. to customers' requirement

Crude oil demulsifier is mainly used in dehydration, viscosity reduction in oil fields, making it transported under normal temperature. Also it can be used to desalinate, well flushing and grease removal.

Trans Polyether RPE

Trans Polyether RPE Serials

Spec.	Appearance (25°C)	Cloud point (solvent method)	Water content (%)	pH (1%aqueous solution)	Packaging
RPE-1720	Colorless to light yellow liquid	40.0-45.0	≤0.6	4.0-7.0	200kg/drum or acc. to customers' requirement
RPE-1740	Colorless to light yellow liquid	54.0-58.0	≤0.6	4.0-7.0	200kg/drum or acc. to customers' requirement

- ① Dissolved in organic solvents like ethanol, isopropanol, methylbenzene and etc.;
- ② Detergents of dairy industry, wine-making industry, softdrink industry, metal processing and other industrial detergents.
- ③ Lubricants in synthetic metal processing liquid, releasing agents and synthetic spinning coating. No tarry residues are to be formed under high temperature.
- ④ Applied in the printed circuit boards in electronic industry, good thermal liquid and hydraulic fluid.

EL,HEL

Cator Oil / Hydrogenated castor oil polyoxyethylene ether

Spec.	Appearance (25°C)	Soapification number (mgKOH/g)	Water content (%)	HLB	Packaging
EL-10	Light yellow transparent oil phase	110.0-130.0	≤1.0	6.0-7.0	200kg/drum or acc. to customers' requirement
EL-12	Light yellow transparent oil phase	110.0-120.0	≤1.0	6.5-7.5	200kg/drum or acc. to customers' requirement
EL-20	Light yellow transparent oil phase	90.0-100.0	≤1.0	9.0-10.0	200kg/drum or acc. to customers' requirement
EL-30	Light yellow transparent oil to paste phase	70.0-80.0	≤1.0	11.5-12.5	200kg/drum or acc. to customers' requirement
EL-40	Light yellow transparent oil to paste phase	57.0-67.0	≤1.0	13.0-14.0	200kg/drum or acc. to customers' requirement
EL-60	Light yellow paste or solid	42.0-52.0	≤1.0	14.0-15.5	200kg/drum or acc. to customers' requirement
EL-80	Light yellow to yellowish solid	33.0-43.0	≤1.0	15.5-16.5	25kg/kraft bag
EL-90	Light yellow solid	30.0-40.0	≤1.0	17.0	25kg/kraft bag
HEL-20	Light yellow transparent oil	90.0-100.0	≤1.0	9.0-10.0	200kg/drum or acc. to customers' requirement
HEL-40	Light yellow transparent oil to paste phase	57.0-67.0	≤1.0	13.0-14.0	200kg/drum or acc. to customers' requirement

- Main components of textile, synthetic fiber spinning with emulsifying and anti-static function.
- In pharmaceutical industry, used as emulsifiers, making linimentum, cream, emulsion and etc..
- Used as emulsifiers in farm chemicals.
- Prepare for aqueous metal machining liquid in metal processing industry.
- Dehydrators in oil fields.
- Emulsifier, superfatting agents, emollient agents in cosmetics and pharmaceutical industry.
- Creaming and dispersants agents in printer ink.

PEG

Polyethylene glycol of Pharmaceutical and Food grade

Product No.	Appearance (25°C)	Water solubility	Melting point	Viscosity	Common form	Packaging
RJ-PEG400	Colorless transparent liquid	●●●●●	●	●	Liquid	200kg/drum or acc. to customers' requirement
RJ-PEG1500	White solid	●●●●●	●●	●●	Paste (soft solid)	25kg/kraft bag or acc. to customers' requirement
RJ-PEG3350	White solid	●●●●	●●●	●●●	Solid (flake, particle, powder)	25kg/kraft bag or fiber can
RJ-PEG4000	White solid	●●●	●●●●	●●●●	Solid (flake, particle, powder)	25kg/kraft bag or fiber can
RJ-PEG6000	White solid	●●	●●●●●	●●●●●	Solid (flake, particle, powder)	25kg/kraft bag or fiber can
RJ-PEG8000	White solid	●	●●●●●●	●●●●●●	Solid (flake, particle, powder)	25kg/kraft bag or fiber can

- Used as pharmaceutical adjuvants; base materials, preparation of suppository and medicinal extracts

PEG

Polyethylene glycol of Industrial Grade

SPEC.	Appearance (25°C)	Average Relative Molecular Weight	Water Content (%)	Packaging
PEG-200	Transparent Liquid	190-210	≤0.50	IBC Drum or acc. to customers' requirement
PEG-400	Transparent Liquid	380-420	≤0.50	IBC Drum or acc. to customers' requirement
PEG-600	Transparent Liquid or White Paste	570-630	≤0.50	200kg/drum or acc. to customers' requirement
PEG-1500	White solid	1400-1600	≤0.50	25kg/kraft bag or acc. to customers' requirement
PEG-2000	White Waxy Solids	1800-2200	≤0.50	25kg/kraft bag
PEG-4000	White Waxy Solids	3600-4200	≤0.50	25kg/kraft bag
PEG-6000	White Waxy Solids	5500-7000	≤0.50	25kg/kraft bag
PEG-8000	White Waxy Solids	7200-8800	≤0.50	25kg/kraft bag

- Coating agents in paper-making industry; lubricants and in rubber and coolants in metal processing industry; dispersants and emulgators in Agricultural Chemicals and Pigment Industry; antistatic agents, lubricants in Textile industry.
- Used as the raw materials of surfactants of Ester type.
- Used as humectants, inorganic salt solubilizers, viscosity modifiers in daily-use chemicals industry; softening agents, antistatic agents in Textile industry; wetting agents in paper-making and farm
- Base materials or lubricants, softening agents in Phamarceuticals, Textile, Cosmetics Industry; Dispersants in Coating industry; Dispersants in Rubber industry, also dispersants as carbon black fillings.
- Moulding agents of metal processing, lubricants and cutting fluid of brushed metal, pressing or moulding; Polishing agents, solders and etc of Grinding, Cooling and Lubricating; Lubricants in Paper-making industry and also used as melt adhesives.