



Rokochem[®]

Polyether Polyols Product Line
Raw materials for
industrial applications

General information

Rokochem® series products are synthetic polyether polyols components dedicated as raw materials for industrial applications, such as production of silicone based surfactants, wetting agents, pigment dispersants, levelling agents for coatings, foaming agents or textile lubricants.

Based on highly selective technology, PCC obtains high purity products meeting the market highest requirements. Unique properties result from designed chemical structures of Rokochem® products, which are propylene (PO) and ethylene (EO) oxide based random and block polymers. Each product is characterized by EO/PO ratio and an alcohol initiator.

Rokochem® series

Rokochem® 11XX – PO/EO series

propylene and ethylene oxide based monols, initiated by butyl alcohol, random copolymers.

Rokochem® 12XX – PO/EO series

propylene and ethylene oxide based monols, initiated by butyl alcohol, block copolymers

Rokochem® 22XX – PO series

propylene oxide based monols, initiated by butyl alcohol.

Properties

Rokochem® series products are available with different molecular weights, hydroxyl values and dynamic viscosities. Tailor-made products are available upon request.

Product name	Product type	Hydroxyl value mg KOH/g ASTM D4274 met.D	Iodine value gl/100g PN-87/C-04281	Dynamic viscosity at 25°C, mPa•s ASTM D4878 met.A	Kinematic viscosity at 40°C, cSt ASTM D445	Kinematic viscosity at 100°C, cSt ASTM D445
Rokochem® 1133	EO/PO random copolymers	56	0.3	95	48	10
Rokochem® 11150	EO/PO random copolymers	28	0.4	307	147	29
Rokochem® 1233	EO/PO block copolymers	64	0.6	85	44	9.3
Rokochem® 2206	PO homopolymer	83	1	45	24	5.5
Rokochem® 2240	PO homopolymer	48	2	106	54	10
Rokochem® 2210	PO homopolymer	36	3	206	101	18

Customized products and new product developments

Due to our over 40 years of experience in manufacturing of polyether polyols, we are able to offer customized solutions as well as new products meeting all formulations and market demands. Exceptional production flexibility enables PCC Group to synthesize products with a wide range of EO/PO ratio and a different initiator usage. Company's resources allow us to obtain products, which meet client's exact physico-chemical requirements e.g.: viscosity, molecular weight, pour point, cloud point, solubility.

Additives

Antioxidants (AoX) are added to Rokochem® base stock series products for storage reasons mainly. Most of antioxidants used are phenolic derivatives.

Packaging

Tank wagons or tanker trucks made of stainless steel, plastic containers with a capacity of 1 m³, steel or plastic drums with a capacity of 200 dm³ and other packaging as agreed with the customer.

Storage condition

Store in sealed containers, in cool, dry places. Maximum storage temperature +40°C. Recommended usage temperature 20-25°C. Viscosity increases when temperature decreases.

Shelf life

To reach the maximum shelf life of 2 years before re-test, store in proper conditions.

Transport

Limitations resulting from ADR, RID, IMDG and IATA regulations do not apply.

Hazard symbol

Not classified as a hazardous chemical substance.

Other

Rokochem® are polymers pursuant to Regulation (EC) No 1907/2006 REACH (Article 3(5)). Polymers are exempt from the provisions of registration of Title II of REACH (Article 2(9)). All monomers and other substances used in production of the above mentioned polyols have been registered by our suppliers.





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The information in the catalogue is believed to be accurate and compiled to the best of our knowledge; however, it should be considered as introductory only. Detailed information about our products is available in TDS and MSDS.

The suggestions for product applications are based on our best knowledge.

The responsibility for the use of products in conformity or otherwise with the suggested application, and for determining product suitability for the user's own purposes rests with the user.

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