

KP-200™

Polymeric Methylene diphenyl Di-Isocyanate (PMDI) Polymeric MDI (CAS# 9016-87-9, UN# 2206)



Karoon Petrochemical Company

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Property	Specification	Analytical Method
Appearance	Dark Brown liquid	Visual
NCO Wt. %	29.0-31.0	2-2.9.3-1054
Hydrolysable Chloride Wt.%	Max. 0.25	2-2.9.3-1048
Viscosity at 25(°C) mPa.s	150.0-350.0	2-2.9.3-1040
Specific Gravity at 25(°C)	1.20-1.25	-

⇒ The current manufacturing technology of most isocyanates is based on the phosgenation of primary amines.

■ Application areas

Polymeric MDI is commonly used to manufacture:

- ✓ Flexible foams – used for the fabrication of bedding, furniture, automotive seating, flexible packaging and carpet underlay; this is the largest market application for Polymeric MDI
- ✓ "Foamed-in-place" polyurethane plastics – ranging from soft and sponge-like to hard and porous for use in furniture, packaging, insulation and boat building
- ✓ Polyurethane coatings – used on leather, wire, tank linings and masonry
- ✓ Elastomers – used to produce adhesives, films and linings, and abrasive wheels and other mechanical items that require abrasion and solvent resistance
- ✓ Rigid, "pour-in-place" foams – for use in appliances, and, in smaller amounts, packaging
- ✓ Urethane sealants – used in construction applications
- ✓ Cast elastomers – for production of articles such as roller blade wheels

■ Handling and storage conditions

Use only with adequate ventilation. Do not eat, drink, or smoke in working area. Never use welding/cutting torch near storage containers, even if empty, because even residual product can ignite explosively. Product must be stored at 15°C to 40°C.

■ Packing details

In 220 lit (250 kg Net.) new steel drum, each 4 drums strapped on a wooden pallet.

■ Licensor: Chematur Engineering (CEAB), Sweden.