



ISOCYANATES

KP-200™
Polymeric Methylene diphenyl Di-Isocyanate (PMDI)
Polymeric MDI

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. .