TECHNICAL DATA SHEET (TDS)

SD-PRE-00-00

KARUNATE™

KLM100B(L)

Liquefied Methylene diphenyl Di-Isocyanate (LMDI)
Modified MDI

Property	Specification	Analytical Method
Appearance	Clear liquid	Visual
NCO (Wt. %)	28-30	ASTM D5155-14 Method A
Acidity as HCl (Wt.%)	Max. 0.01	ASTM 5629-11
Viscosity at 25(°C) (mPa.s)	Max. 100	ASTM D4889-15
Specific Gravity at 25(°C)	1.18-1.20	ASTM D4659-14
Isocyanate Equivalent Weight (gr/eq)	140-150	ASTM D5155-14 Method A
Hydrolysable chlorine Wt.%	0.05	ASTM D4663-15

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

- **Application areas**

KLM100B(L) is commonly used to manufacture:

- ✓ Shoe soles – used to produce prepolymers for shoe soles
- ✓ Adhesive – used to produce laminated adhesives in packaging industry
- ✓ Medical – used to produce orthopedic band
- ✓ Elastomers – used to produce films, linings, abrasive wheels and other mechanical items that require abrasion and solvent resistance
- ✓ Urethane sealants – used in construction applications
- ✓ Cast elastomers – for production of articles such as roller blade wheels
- ✓ Flexible foams – used to produce prepolymers for fabrication of bedding, furniture, automotive seating, flexible packaging and carpet underlay; this is the largest market application for MDI

- **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 20°C to 40°C.
Storage stability: The best time is 6 month since the date of production.

- **Packing details**

In 220 lit (225 kg Net.) new steel drum, each 4 drums strapped on a wooden pallet.

- **Licensor: Chematur Engineering (CEAB), Sweden.**

Karun Petrochemical Company

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