

**Methylene diphenyl Di-Isocyanate (MDI),
Ortho-MDI 30**



Karun Petrochemical Company

Address :

Head office:

No.17.Khalilzadeh St., Vali-e-asr
Ave., Vanak Sq., Tehran-Iran

Factory:

Site 2,Petrochemical Special
Economic Zone (Pet zone), Bandar-
e-Imam Khomeini, Iran.

☎0098 21 88786992-4

☎0098 21 88677428

Web-site :

www.krnpc.ir

E-mail :

NDashti@krnpc.ir

Property	Specification	Analytical Method
Appearance	Liquid: Yellow Solid: Yellow	Visual
Purity, Wt. %	Min. 99.5	2-2.9.3-1059
4,4'-MDI Wt. %	65-75	2-2.9.3-1059
NCO Wt. %	Min. 33.2	ASTM D5155-14 Method A
Acidity as HCL Wt.%	Max. 0.01	ASTM 5629-II

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

■ **Application areas**

KM-70 is commonly provides better flowability for the production of injection molding. manufacture:

- ✓ Elastomers – used to produce adhesives, films and linings, and abrasive wheels and other mechanical items that require abrasion and solvent resistance
- ✓ Urethane sealants – used in construction applications
- ✓ substitute for TDI – for production of flexible PU foam, which will reduce productive cost and environmental pollution and improve handling conditions
- ✓ Flexible foams – used for the 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 as a liquid at 41°C to 45°C under a dry nitrogen blanket or as a solid below -15 °C. For more information see table below.

Temperature (°C)	-18	-12	-5	10-35	41-45	>50
Storage Life Days	300	200	70	note *	30	note *

* Dimer formation increases significantly in these temperature ranges. So recommended to avoid these conditions.

■ **Packing details**

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

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