




Toluene Di Isocyanate

Toluene di isocyanate (TDI) is a member of isocyanates which are chemically related to Polyurethanes. Two of the six possible isomers are commercially important: 2,4-TDI and 2,6-TDI. 2,4-TDI is produced in the pure state, but TDI is often marketed as 80/20 and 65/35 mixtures of the 2,4 and 2,6 isomers respectively. The Produced TDI in KRNPC is a 80:20 mixture of the 2,4 and 2,6 isomers with purity of at least 99.5%.

Parameter	TEST METHOD	UNIT
Appearance	visual	Clear Liq.
purity (% by wt)	H900.6500S	Min. 99.5
Colour (APHA)	H900.1700S	Max.25
Hydrolyzable Chlorine (ppm by wt)	H900.3500S	Max.60
Total Acidity (ppm by wt)	H900.0500S	Max.40
Isomer ratio 2,4 TDI (%wt)	H900.4100	80±1
Isomer ratio 2,6 TDI (%wt)	H900.4100	20±1
Sp.gr at 25/4 °C	s690.3000	1.22±0.02
NIC (ppm)	H900.5800	Max.30

➤ Application:

TDI has a wide variety of applications which ranges from furniture industry, bedding furniture, and carpet underlay to transportation and packaging industry. The substance is also applied for the production of surface coatings, sealants, adhesives and elastomers.

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