

Dow VORANATE™ T-80 toluene diisocyanate (TDI)

Category : Polymer

Material Notes:

VORANATE™ T-80 TDI products are designed for a variety of high-resilience molding, TDI molding, formulating (systems) and flexible slabstock applications. They are used in the production of flexible polyurethane foams for furniture, bedding, and automotive seating and padding. In addition, VORANATE™ T-80 TDI products are used in the production of elastomers, coatings, adhesives, semi-flexible foams, and carpet underlayment and backing. Information provided by Dow

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-VORANATE-T-80-toluene-diisocyanate-TDI.php

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in ³	
Viscosity Measure	2.5 cSt	2.5 cSt	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Molecular Weight	174.2 g/mol	174.2 g/mol	
Vapor Pressure	0.0000133 bar	0.0100 torr	

Thermal Properties	Metric	English	Comments
Specific Heat Capacity	1.46 J/g-°C	0.349 BTU/lb-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
	1.72 J/g-°C	0.411 BTU/lb-°F	
	@Temperature 100 °C	@Temperature 212 °F	
Melting Point	14.0 °C	57.2 °F	
Boiling Point	120 °C	248 °F	10 mm Hg
	250 °C	482 °F	760 mm Hg
Decomposition Temperature	287 °C	549 °F	
Flash Point	126 °C	259 °F	Pensky Martens closed cup

Optical Properties	Metric	English	Comments
Refractive Index	1.5662	1.5662	

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