

Product Name

TD 270-18 iso/TD 270-20 poly

Description

TD 270-18/20 is a rigid polyurethane foam system formulated for meter-mix dispensing. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA, or TDI.

Physical Properties

Mix Ratio	TD 270-18 iso	100:88		
Mix Ratio	TD 270-20 Poly	100:89		
Viscosity	TD 270-18 iso	100	Cream Time	20 ± 5 Seconds
(cps@77°F)	TD 270-20 Poly	675	Rise Time	60 ± 10 Seconds
	Mixed	250	Demold Time	6 Minutes @ 120°F
Specific Gravity	TD 270-18 iso	1.20	Color	Tan
(g/cc)	TD 270-20 Poly	1.19		

Cure 1 ▶ 7 Days at 77°F
Cure 2 ▶

Cured Properties

	Method	Cure 1	Cure 2
Hardness (shore A)	ASTM D-2240	N/A	
Tensile Strength (psi)	ASTM D-638	N/A	
Elongation at Break	ASTM D-638	N/A	
Tear Strength (pli)	ASTM D-695	N/A	
Linear Shrink (in./in.)	ASTM D-2566	N/A	
Specific Gravity (g/cc)		0.064	
Specific Gravity (lb./ft³)		4.00	

Processing Notes

Safety and Handling

DO NOT USE UNTIL MSDS HAVE BEEN READ AND UNDERSTOOD. Store containers in a dry location. Partially used containers should be blanketed with dry nitrogen to prevent moisture contamination. Moisture will react with the resin component, creating carbon dioxide gas and a possible pressure increase in the container.
 SPECIFICATION WRITERS: The above values are meant to represent typical properties only. Users are encouraged to qualify products in their own laboratories prior to specification publication.
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