

Baytec® EDG-070D

Polyurethane Thermoset Elastomer

Covestro - PUR

Message:

Baytec EDG-070D is a two-component, one-shot system which yields a solid polyurethane elastomer. It is a UV-stable polyurethane system with an approximate hardness of 70 Shore D. The isocyanate component is an aliphatic HDI-based polyisocyanate, and the polyol component is a polyether/polyester polyol blend. The Baytec EDG-070D system is used in table-edging applications. As with any product, use of the Baytec EDG-070D system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Features	Good UV resistance		
Forms	Liquid		
Hardness	Nominal Value		Test Method
Durometer Hardness (Shore D)	70		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	28.2	MPa	ASTM D412
Tensile Elongation (Break)	160	%	ASTM D412
Tear Strength			
-- ¹	84.9	kN/m	ASTM D624
Cracking	14	kN/m	ASTM D1938
Thermoset	Nominal Value		
Thermoset Components ²			
Component a	Mixing ratio by weight: 100		
Component B	Mixing ratio by weight: 100		
Additional Information			
Part A Type: Isocyanate Appearance: Clear, pale yellow liquid Specific Gravity @ 25°C: 1.17 Viscosity @25°C: 2900 mPa Flash Point, SETA: 238°C NCO: 21.5 wt%			
Part B Type: Polyol Appearance: Pale yellow liquid Specific Gravity @ 25°C: 1.05 Viscosity @25°C: 3000 mPa-s Flash Point, PMCC: 186°C Water: 0.07 wt% max Hydroxyl Number: 270 mg KOH/g IsocyanateTemperature: 41 to 46°C Polyol Temperature: 38 to 44°C Mold Temperature: 44 to 60°C Gel Time: 75 to 150 sec Demold Time: 6 to 15 min			
NOTE			
1.	C mould		
2.	105 Index		

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