

Baytec® EDG-085A

Polyurethane Thermoset Elastomer

Covestro - PUR

Message:

Baytec EDG-085A is a two-component, one-shot system which yields a solid polyurethane elastomer. It is a UV-stable system with an approximate hardness of 85 Shore A. The isocyanate component is an aliphatic, HDI-based polyisocyanate, and the polyol component is a polyether/polyester polyol blend. The Baytec EDG-085A system is used in table-edging applications. As with any product, use of the Baytec EDG-085A 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)	85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles)	149	mg	ASTM D4066
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8.27	MPa	ASTM D412
Tensile Elongation (Break)	100	%	ASTM D412
Tear Strength			
-- ¹	18.9	kN/m	ASTM D624
Cracking	5.8	kN/m	ASTM D1938
Thermoset	Nominal Value		
Thermoset Components ²			
Component a	Mixing ratio by weight: 91		
Component B	Mixing ratio by weight: 100		
Additional Information			

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: Clear, viscous liquid
Specific Gravity @ 25°C: 1.06
Viscosity @25°C: 2500 mPa-s
Flash Point, PMCC: 146°C
Water: 0.08 wt% max
Hydroxyl Number: 250 mg KOH/g
Isocyanate Temperature: 41 to 46°C Polyol Temperature: 32 to 44°C Mold Temperature: 44 to 60°C Gel Time: 75 to 120 sec Demold Time: 6 to 15 min

NOTE

1. C mould
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