

Baytec® SPR-256D

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Baytec SPR-256D is a two-component, 100%-solids spray system with a Shore hardness of 56D. The isocyanate component is a modified diphenylmethane diisocyanate (MDI) prepolymer, and the polyol component is a polyether polyol blend. Baytec SPR-256D spray system is typically used for in-mold spray applications with polyurethane structural composites. As with any product, use of Baytec SPR-256D in a given application must be tested (including but not limited to field testing) in advance by the user to determine suitability.

General Information			
Forms	Liquid		
Processing Method	Sprayable		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.07	g/cm³	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	16.5	MPa	ASTM D638
Tensile Elongation (Break)	54	%	ASTM D638
Elongation-Humid Aging ¹	64	%	
Tensile Strain at Yield ²	10.3	MPa	
Tensile Strength ³	15.2	MPa	
Cold Resistance	No Cracking		SAE J323
Fogging	98	%	GM 9305P
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	166	mg	ASTM D3489
Elastomers	Nominal Value	Unit	Test Method
Tear Strength			
-- ⁴	56.6	kN/m	ASTM D624
Cracking	13	kN/m	ASTM D1938
Thermoset	Nominal Value		
Thermoset Components			
Component a	Mixing ratio by weight: 110, mixing ratio by capacity: 100		
Component B	Mixing ratio by weight: 100, mixing ratio by capacity: 100		
Additional Information			

Part A

Type: Isocyanate

Appearance: Clear amber liquid

Specific Gravity @ 25°C: 1.14

Viscosity @25°C: 600 mPa

Flash Point, PMCC: 210°C

NCO: 19 wt%

Part B

Type: Polyol

Appearance: Gray opaque liquid

Specific Gravity @ 25°C: 1.04

Viscosity @25°C: 1500 mPa-s

Flash Point, PMCC: 201°C

Hydroxyl Number: 233 mg KOH/g

Processing Temperature: 19 to 66°C Gel Time: 5 to 15 sec Tack-Free: 30 sec

NOTE

1.	GM 7001, K9588
2.	5 hours at 120°C, 100% RH, GM 7001, X9588
3.	21 days at 120°C, GM 7001M, W6655
4.	C mould

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