

# Baytec® SPR-066A

Polyurethane (Polyether, MDI)

Covestro - PUR

## Message:

Baytec SPR-066A is a two-component, 100%-solids spray system with a Shore hardness of 66A. The isocyanate component is a modified diphenylmethane diisocyanate (MDI) prepolymer, and the polyol component is a polyether polyol blend. The system has added UV stabilizers and is used in spray applications to improve the corrosion, weather, and abrasion resistance of metal, concrete, wood, plastic, PVC, and porous organic and inorganic materials. In-mold spray application is also possible. Typical applications are liners for dump bodies, garbage trucks, pipes, and tanks, as well as protective layers for flexible foam, wood, and industrial surfaces. This system is also available as a grey/black-pigmented system, Baytec SPR-166A (product code U832). As with any product, use of Baytec SPR-066A in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Additive	UV stabilizer		
Forms	Liquid		
Processing Method	Sprayable		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.958	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	350	mg	ASTM D4060
Compression Deflection			ASTM D575
10%	0.621	MPa	ASTM D575
25%	1.45	MPa	ASTM D575
5%	0.345	MPa	ASTM D575
Flammability	Pass		ANSI C37.20.2, 5.2.7
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	2.28	MPa	ASTM D412
200% strain	3.10	MPa	ASTM D412
300% strain	4.14	MPa	ASTM D412
Tensile Strength	6.14	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Tear Strength			
-- <sup>1</sup>	33.3	kN/m	ASTM D624
Cracking	14	kN/m	ASTM D1938
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	14	kV/mm	ASTM D149
Arc Resistance	123	sec	ASTM D495
Thermoset	Nominal Value		

Thermoset Components	
Component a	Mixing ratio by weight: 75
Component B	Mixing ratio by weight: 100
Additional Information	
Part A Type: Isocyanate Appearance: Yellowish liquid Specific Gravity @ 25°C: 1.09 Viscosity @25°C: 2500 mPa Flash Point, PMCC: 216°C NCO: 9.8 wt% Part B Type: Polyol Appearance: White liquid Specific Gravity @ 25°C: 1.03 Viscosity @25°C: 2100 mPa-s Flash Point, PMCC: 180°C Hydroxyl Number: 88 mg KOH/g Material Temperature: 25 to 60°C Gel Time/Pot Life: 15 to 45 sec Tack-Free: 2 min Handling: 25 to 60 min	
NOTE	

1.	C mould
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