

Baytec® SPR-092A

Polyurethane (Polyether, MDI)

Covestro - PUR

Message:

Baytec SPR-092A is a two-component, 100%-solids spray system with a Shore A hardness of 92. 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 various surfaces. In-mold application is also possible. Typical applications include protective layers for pipes, tanks, fabrics, wood, flexible foams, and other industrial surfaces. The system can be pigmented to almost any color. As with any product, use of the Baytec SPR-092A system 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	1.08	g/cm³	ASTM D792
Water absorption rate-30 days	1.5	%	Internal method
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	92		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Taber Abrasion Resistance (1000 Cycles, 1000 g, H-18 Wheel)	150	mg	ASTM D1044
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	15.2 - 15.9	MPa	ASTM D412
Tensile Elongation (Break)	490 - 580	%	ASTM D412
Tear Strength			
-- 1	59.5 - 71.8	kN/m	ASTM D624
Cracking	19 - 23	kN/m	ASTM D1938
Thermoset	Nominal Value		
Thermoset Components			
Component a	Mixing ratio by weight: 100		
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: 1.04

Viscosity @25°C: 1500 mPa-s

Flash Point, PMCC: 179°C

Hydroxyl Number: 130 mg KOH/g

Material Temperature: 25 to 60°C Gel Time: 12 to 15 sec Tack-Free: 1 min Handling: 30 min

NOTE

1. C mould

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

