

# Baydur® PUL 2500 (81 % Glass)

Polyurethane (Polyether, MDI)

Covestro - PUR

## Message:

Baydur PUL 2500 is a two-component liquid polyurethane system for use in composite manufacturing. The isocyanate is a modified diphenylmethane diisocyanate (MDI), and the polyol component is a polyether polyol blend. The system has been specially designed for use in pultrusion and gives excellent composite properties, including superior elongation to failure, shear strength and impact resistance. As with any product, use of the Baydur PUL 2500 system in a given application must be tested (including field testing, etc.) in advance by the user to determine suitability.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 81% filler by weight		
Features	Impact resistance, good		
	Good strength		
	Extended tensile rate		
Processing Method	pultrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.09	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	48300	MPa	ASTM D790
Flexural Strength	1380	MPa	ASTM D790
Short Beam Shear	> 62.1	MPa	ASTM D2344
Flexural Strain	3.0	%	ASTM D790
Additional Information			
Part A			
Type: Isocyanate			
Appearance: Dark brown liquid			
Specific Gravity @ 25°C: 1.24			
Viscosity @25°C: 200 cps			
Flash Point PMCC: 199°C			
NCO: 31.0 wt% min			
Part B			
Type: Polyol			
Appearance: Milky liquid			
Specific Gravity @ 25°C: 1.07			
Viscosity @25°C: 750 cps			
Flash Point PMCC: >200°C			
Hydroxyl Number: 438 KOH/g			
Pultrusion Conditions			
Die Profile (Cross-section): 1 inch x 0.125 inch			
Line Speed: 36 in/min			
Die Temperature - Entry: Cooling On			
Die Temperature - Center: 190 to 230°C			
Die Temperature - Exit: 176°C			

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



WECHAT