

WEVO-CHEMIE Polyurethanes PU 552 FL/300

Polyurethane
WEVO-CHEMIE GmbH

Message:

WEVO-CHEMIE Polyurethanes PU 552 FL/300 is a Polyurethane material. It is available in Europe or North America for casting. Primary attribute of WEVO-CHEMIE Polyurethanes PU 552 FL/300: Flame Rated.
Typical applications include:
Electrical/Electronic Applications
Automotive

General Information			
UL YellowCard	E108835-218746		
Uses	Automotive Electronics		
	Electrical/Electronic Applications		
	Printed Circuit Boards		
UL File Number	E108835		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	
Water Absorption ¹ (Saturation, 23°C)	0.40	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	15.0	°C	TMA
Thermal Conductivity	0.61	W/m/K	ISO 22007-2
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 20		
Resin	Mix Ratio by Weight: 100		
Pot Life (22°C)	2.0 to 45	min	
Thermoset Mix Viscosity ² (22°C)	1000 to 1300	cP	
Additional Information	Nominal Value	Unit	Test Method
Operating Temperature	-40 to 130	°C	
Uncured Properties	Nominal Value	Unit	Test Method
Density			
22°C ³	1.20 to 1.24	g/cm ³	
22°C ⁴	1.56 to 1.60	g/cm ³	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65 to 70		ISO 868
Tensile Strength	6.00	MPa	ISO 527

Tensile Elongation at Break	62	%	ISO 527
Electric Strength	29	kV/mm	IEC 60243
Relative Permittivity (50 Hz, 23°C)	5.60		IEC 60250
Volume Resistivity	5.0E+13	ohms·cm	IEC 60093

NOTE

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|----|-----------------------|
| 1. | 30 Days |
| 2. | Rotational viscometer |
| 3. | Hardener |
| 4. | Resin |

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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



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