

WEVO-CHEMIE Polyurethanes PU 590 FL/300 M

Polyurethane
WEVO-CHEMIE GmbH

Message:

WEVO-CHEMIE Polyurethanes PU 590 FL/300 M is a Polyurethane material. It is available in Europe or North America for casting. Primary attribute of WEVO-CHEMIE Polyurethanes PU 590 FL/300 M: Flame Rated.

Typical application of WEVO-CHEMIE Polyurethanes PU 590 FL/300 M: Electrical/Electronic Applications

General Information			
UL YellowCard	E108835-100142521		
Features	General Purpose		
Uses	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)	0.30	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	9.00	°C	TMA
Thermal Conductivity	0.66	W/m/K	ISO 22007-2
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	V-0	UL 94	
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 18		
Resin	Mix Ratio by Weight: 100		
Pot Life (22°C)	5.0 to 40	min	
Thermoset Mix Viscosity ² (22°C)	1200 to 2000	cP	
Additional Information	Nominal Value	Unit	Test Method
Operating Temperature	-25 to 130	°C	
Uncured Properties	Nominal Value	Unit	Test Method
Density			
22°C ³	1.20 to 1.24	g/cm³	
22°C ⁴	1.58 to 1.65	g/cm³	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	55 to 60		ISO 868

Tensile Strength	9.00	MPa	ISO 527
Tensile Elongation at Break	35	%	ISO 527
Electric Strength	28	kV/mm	IEC 60243
Relative Permittivity (50 Hz, 23°C)	5.60		IEC 60250
Volume Resistivity	1.0E+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

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