

WEVO-CHEMIE Polyurethanes PU 403 FL/300 RE

Polyurethane
WEVO-CHEMIE GmbH

Message:

WEVO-CHEMIE Polyurethanes PU 403 FL/300 RE is a Polyurethane material. It is available in Europe or North America for casting.

Important attributes of WEVO-CHEMIE Polyurethanes PU 403 FL/300 RE are:

Flame Rated
Heat Resistant

Typical applications include:

Automotive
Electrical/Electronic Applications
High Temperature Applications

General Information			
UL YellowCard	E108835-218745		
Features	Good Thermal Stability		
Uses	Automotive Applications		
	Automotive Electronics		
	Electrical/Electronic Applications		
	High Temperature Applications		
	Printed Circuit Boards		
UL File Number	E108835		
Forms	Liquid		
Processing Method	Casting		
Physical	Nominal Value	Unit	
Water Absorption ¹ (Saturation, 23°C)	0.60	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-6.00	°C	TMA
Thermal Conductivity	0.75	W/m/K	ISO 22007-2
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 14		
Resin	Mix Ratio by Weight: 100		
Pot Life (22°C)	2.0 to 45	min	
Thermoset Mix Viscosity ² (22°C)	2000 to 2500	cP	
Additional Information	Nominal Value	Unit	Test Method
Operating Temperature	-50 to 165	°C	

Uncured Properties	Nominal Value	Unit	Test Method
Density			
22°C ³	1.20 to 1.24	g/cm ³	
22°C ⁴	1.62 to 1.65	g/cm ³	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	45 to 50		ISO 868
Tensile Strength	9.00	MPa	ISO 527
Tensile Elongation at Break	40	%	ISO 527
Electric Strength	30	kV/mm	IEC 60243
Relative Permittivity (50 Hz, 23°C)	5.70		IEC 60250
Volume Resistivity	1.9E+14	ohms·cm	IEC 60093
NOTE			
1.	30 Days		
2.	Rotational viscometer		
3.	Hardener		
4.	Resin		

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Recommended distributors for this material

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