

WEVO-CHEMIE Polyurethanes PD 4431 FL/300

Polyurethane
WEVO-CHEMIE GmbH

Message:

WEVO-CHEMIE Polyurethanes PD 4431 FL/300 is a Polyurethane material. It is available in Europe or North America for casting.
Important attributes of WEVO-CHEMIE Polyurethanes PD 4431 FL/300 are:
Flame Rated
Good Flexibility
Typical application of WEVO-CHEMIE Polyurethanes PD 4431 FL/300: Electrical/Electronic Applications

General Information			
UL YellowCard	E108835-609174		
Features	Good Flexibility		
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)	0.50	%	
Thermal	Nominal Value	Unit	Test Method
Glass Transition Temperature	-60.0	°C	TMA
Thermal Conductivity	0.30	W/m/K	ISO 22007-2
Flammability	Nominal Value		Test Method
Flame Rating (6.00 mm)	V-0		UL 94
Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
Hardener	Mix Ratio by Weight: 11		
Resin	Mix Ratio by Weight: 100		
Pot Life (22°C)	10 to 25	min	
Thermoset Mix Viscosity ² (22°C)	1700 to 2100	cP	
Additional Information	Nominal Value	Unit	Test Method
Operating Temperature	-60 to 125	°C	
Uncured Properties	Nominal Value	Unit	Test Method
Density			
22°C ³	1.20 to 1.24	g/cm³	
22°C ⁴	1.29 to 1.31	g/cm³	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	56 to 64		ISO 868
Tensile Strength	1.00	MPa	ISO 527

Tensile Elongation at Break	61	%	ISO 527
Electric Strength	20	kV/mm	IEC 60243
Relative Permittivity (50 Hz, 23°C)	7.20		IEC 60250
Volume Resistivity	3.0E+11	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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