Innothane® IE-3066

Polyurethane Thermoset Elastomer

Innovative Polymers, Inc.

Message:

IE-3066 is a rigid polyurethane surface coat formulated for hand-batch processing. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA or TDI. This product was developed to be used where vertical lay-ups are required or for use as a strong, durable jacket covering a silicone glove mold to give the soft silicone a solid backing.

General Information			
Features	Durable		
	Good Strength		
	High Rigidity		
Uses	Coating Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Light Grey		

Physical	Nominal Value	Unit	
Specific Gravity			
Cured	1.24	g/cm³	
Hardener	1.24	g/cm³	
Base Resin	1.28	g/cm³	

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	4380	MPa	ASTM D790
Flexural Strength	78.6	MPa	ASTM D790

Thermoset	Nominal Value	Unit	Test Method
Thermoset Components			
	Mix Ratio by Volume: 100		
Hardener	Mix Ratio by Weight: 97		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 100		
Demold Time	15 to 25	min	

Uncured Properties	Nominal Value	Unit	Test Method
Viscosity			
25°C [1]	2.5	Pa·s	
25°C [2]	16	Pa·s	
Curing Time (25°C)	1.7E+2	hr	

Gel Time	2.0 to 4.0	min	
Cured Properties	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65 to 75		ASTM D2240
NOTE			
1.	Hardener		
2.	Resin		

Recommended distributors for this material

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