

Innothane® IE-3065

Polyurethane Thermoset Elastomer

Innovative Polymers, Inc.

Message:

IE-3065 is an 80 shore D 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 mother-mold in silicone glove molding processes.

General Information			
Features	Durable		
	Good Strength		
Uses	Coating Applications		
RoHS Compliance	RoHS Compliant		
Appearance	Light Grey		
Physical	Nominal Value	Unit	
Specific Gravity			
Cured	1.24	g/cm ³	
Hardener	1.24	g/cm ³	
Base Resin	1.28	g/cm ³	
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	30 to 60	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	4.0 to 8.0	min	

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

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