

Innothane® FM-2045

Polyurethane Thermoset Elastomer

Innovative Polymers, Inc.

Message:

FM-2045 is a rigid 4-5 pound polyurethane foam formulated for hand-batch and meter-mix processing. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA, or TDI. Applications include safety helmet inserts, structural castings, and taxidermy blanks.

General Information		
Features	High Rigidity	
Uses	Foam	
	Safety Helmets	
	Structural Parts	
RoHS Compliance	RoHS Compliant	
Appearance	Tan	
Physical	Nominal Value	Unit
Specific Gravity		
Cured	0.0640 to 0.0800	g/cm ³
Hardener	1.16	g/cm ³
Base Resin	1.20	g/cm ³
Thermoset	Nominal Value	Unit
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	10 to 20	min
Cream Time	35.0 to 45.0	sec
Rise Time	2.0 to 2.5	min
Tack Free Time	3.0 to 4.0	min
Uncured Properties	Nominal Value	Unit
Viscosity		
25°C ¹	0.10	Pa · s
25°C ²	0.25	Pa · s
25°C ³	0.68	Pa · s

Curing Time (25°C)	1.7E+2	hr
NOTE		
1.	Resin	
2.	Mixed	
3.	Hardener	

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