

Innothane® FM-109

Polyurethane Thermoset Elastomer

Innovative Polymers, Inc.

Message:

FM-109 is a open-cell polyurethane foam formulated for hand-batch and meter-mix dispensing. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA, or TDI. FM-109 is particularly suited for low volume production of arm rests and seat cushions.

General Information		
Features	Soft	
Uses	Foam	
	Seats	
RoHS Compliance	RoHS Compliant	
Appearance	Off-White	
Physical	Nominal Value	Unit
Specific Gravity		
Cured	0.144	g/cm ³
Hardener	1.07	g/cm ³
Base Resin	1.16	g/cm ³
Thermoset	Nominal Value	Unit
Thermoset Components		
	Mix Ratio by Volume: 100	
Hardener	Mix Ratio by Weight: 100	
	Mix Ratio by Weight: 80	
Resin	Mix Ratio by Volume: 74	
Demold Time	15 to 25	min
Cream Time	0.8 to 1.2	min
Rise Time	3.0	min
Tack Free Time	3.8 to 4.3	min
Uncured Properties	Nominal Value	Unit
Viscosity		
25°C ¹	1.5	Pa · s
25°C ²	1.7	Pa · s
25°C ³	2.2	Pa · s
Curing Time (25°C)	1.7E+2	hr

NOTE

- | | |
|----|----------|
| 1. | Hardener |
| 2. | Mixed |
| 3. | Resin |

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