InnoTuf® HP-2150A

Polyurethane Thermoset Elastomer, Polyether Based

Innovative Polymers, Inc.

Message:

HP-2150A is a high performance polyether based polyurethane elastomer formulated for hand-batch processing methods. Excellent physical properties can be obtained with a room temperature cure without the utilization of mercury, MOCA, or MDI.

General Information			
RoHS Compliance	RoHS Compliant		
Appearance	Amber		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity			
Hardener	0.990	g/cm³	
Cured	1.04	g/cm³	
Base Resin	1.08	g/cm³	
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D2566
Thermoset	**Nominal Value**	**Unit**	**Test Method**
Thermoset Components			
	Mix Ratio by Volume: 50		
Hardener	Mix Ratio by Weight: 47		
	Mix Ratio by Weight: 100		
Resin	Mix Ratio by Volume: 100		
Demold Time	300 to 420	min	
Uncured Properties	**Nominal Value**	**Unit**	**Test Method**
Viscosity			
25°C [1]	0.13	Pa·s	
25°C [2]	0.48	Pa·s	
25°C [3]	0.63	Pa·s	
Curing Time [4]	29	hr	
Gel Time	20 to 30	min	
Cured Properties	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A)	45 to 55		ASTM D2240
Tensile Strength	5.86	MPa	ASTM D638
Tensile Elongation at Break	600	%	ASTM D638
Tear Strength	22.8	kN/m	ASTM D624
NOTE			

1.	Hardener
2.	Mixed
3.	Resin
4.	5 hours at 150°F + 24 hours at 77°F

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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