NOTIO™ PN-3560

Thermoplastic Elastomer

Mitsui Chemicals America, Inc.

Message:

NOTIO™ is a flexible, low density, transparent elastomer with excellent heat resistance. The resin is not cross- linked and demonstrates superior elasticity. NOTIO's crystalline and amorphous structure (morphology) is controlled at the nano scale, allowing for the realization of properties that cannot be achieved with conventional elastomers.

General Information			
Features	Amorphous		
	Crystalline		
	Good Flexibility		
	High Elasticity		
	High Heat Resistance		
	Low Density		
Uses	Adhesives		
	Automotive Applications		
	Film		
	Packaging		
	Plastics Modification		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.866	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A)	70		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus [1]	12.0	MPa	Internal Method
Tensile Strength [2] (Break)	12.0	MPa	Internal Method
Tensile Elongation [3] (Break)	> 800	%	Internal Method
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Set [4] (150% Strain)	12	%	Internal Method
Compression Set [5]			Internal Method
23°C, 24 hr	20	%	
70°C, 24 hr	60	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-28.0	°C	ASTM D746

Glass Transition Temperature	135	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Haze (2000 µm, Compression Molded)	6.0	%	ASTM D1003
NOTE			
1.	JIS K7113-2		
2.	JIS K7113-2		
3.	JIS K7113-2		
4.	JIS K7113-2, 0.3 mm		
5.	JIS K7113-2, 12 mm, 25% compression		

Recommended distributors for this material

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