

THERMORUN® 3705B/N

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

THERMORUN®3705B/N is a thermoplastic elastomer (TPE) material. This product is available in North America, Europe or Asia Pacific. The processing method is extrusion or injection molding. THERMORUN®The main characteristics of 3705B/N are: low hardness.

General Information			
Features	Hardness, low		
Appearance	Black		
	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	3.0	g/10 min	ISO 1133
Molding Shrinkage			ISO 294-4
Vertical flow direction	1.5 - 2.0	%	ISO 294-4
Flow direction	1.5 - 2.0	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	2.30	MPa	ISO 37
300% strain	3.50	MPa	ISO 37
Tensile Stress (Break)	6.00	MPa	ISO 37
Tensile Elongation (Break)	700	%	ISO 37
Tear Strength	39	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	43	%	ISO 815
Additional Information			

Data obtained using JIS test methods.

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Recommended distributors for this material

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