

THERMORUN® 3981B/N

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

THERMORUN®3981B/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 3981B/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	0.890	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	18	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			ISO 868
Shaw A	90		ISO 868
Shaw D	40		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
100% strain	5.60	MPa	ISO 37
300% strain	6.90	MPa	ISO 37
Tensile Stress (Break)	13.0	MPa	ISO 37
Tensile Elongation (Break)	740	%	ISO 37
Tear Strength	66	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	54	%	ISO 815
Additional Information			

Data obtained using JIS test methods.

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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

