

PRIMALLOY® B1800

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

PRIMALLOY® B1800 is a Thermoplastic Elastomer (TPE) material. It is available in Asia Pacific, Europe, or North America. Primary attribute of PRIMALLOY® B1800: Low Hardness.

General Information			
Features	Low Hardness		
Physical	Nominal Value	Unit	Test Method
Density	1.01	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ISO 1133
Molding Shrinkage ¹			Internal Method
Across Flow : 2.00 mm	1.4	%	
Flow : 2.00 mm	1.7	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	83		ISO 7619
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	13.0	MPa	ISO 37
Tensile Elongation (Break)	670	%	ISO 37
Tear Strength	56	kN/m	ISO 34-1
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	92.0	°C	JIS K7206
NOTE			

1. 120x120x2 mm test plaque

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Recommended distributors for this material

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