

PRIMALLOY® B1920

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.

Message:

PRIMALLOY® B1920 is a Thermoplastic Elastomer (TPE) material. It is available in Asia Pacific, Europe, or North America. Primary attribute of PRIMALLOY® B1920: Flame Rated.

General Information			
UL YellowCard	E117009-526666		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	28	g/10 min	ISO 1133
Molding Shrinkage ¹			Internal Method
Across Flow : 2.00 mm	1.3	%	
Flow : 2.00 mm	1.4	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	47		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	38.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	820	%	ISO 527-2
Flexural Modulus	180	MPa	ISO 178
Flexural Stress	9.50	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength	120	kN/m	ISO 34-1
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	179	°C	JIS K7206 ²
Flammability	Nominal Value		Test Method
Flame Rating	HB		UL 94
NOTE			
1.	120x120x2 mm test plaque		
2.	50°C/h, A (10N)		

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Recommended distributors for this material

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