

Milastomer™ 7030BS

Thermoplastic Vulcanizate

Mitsui Chemicals America, Inc.

Message:

Milastomer™7030BS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by extrusion or injection molding.

Typical application areas include:
engineering/industrial accessories
Handle

General Information	
Uses	Washer
	Weather-resistant sealing strip
	Soft handle
Appearance	Black
Forms	Particle
Processing Method	Extrusion
	Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 48
Shaw A	72		ISO 48
Shaw A, 5 seconds	66		ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	2.40	MPa	ISO 37
Tensile Stress ² (Break)	5.30	MPa	ISO 37
Tensile Elongation ³ (Break)	440	%	ISO 37
Compression Set			ISO 815
23°C, 22 hr	29	%	ISO 815
70°C, 22 hr	43	%	ISO 815
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -60.0	°C	Internal method

Additional Information

All tests performed according to Mitsui methods.

NOTE	
1.	500 mm/min
2.	500 mm/min

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Recommended distributors for this material

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