

Milastomer™ M4400BS

Thermoplastic Vulcanizate

Mitsui Chemicals America, Inc.

Message:

Milastomer™M4400BS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by extrusion. Milastomer™Typical application fields of M4400BS are: engineering/industrial accessories

General Information			
Uses	Washer		
	Weather-resistant sealing strip		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.40	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 5 sec)	49		ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	10.8	MPa	ISO 37
Tensile Stress ² (Break)	16.7	MPa	ISO 37
Tensile Elongation ³ (Break)	680	%	ISO 37
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		
3.	500 mm/min		

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