

Milastomer™ S-450B

Mitsui Chemicals America, Inc. - *Thermoplastic Vulcanizate*
General Information
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Material Status	• Commercial: Active
Availability	• North America
Features	• Low Hardness
Appearance	• Black
Forms	• Pellets
Processing Method	• Extrusion • Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ISO 1133

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	160	psi	ISO 37
Tensile Stress ² (Break)	377	psi	ISO 37
Tensile Elongation ² (Break)	360	%	ISO 37
Compression Set			ISO 815
73°F, 22 hr	11	%	
158°F, 22 hr	23	%	

Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 48
Shore A	46		
Shore A, 5 sec	40		

Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°F	Internal Method

Additional Information

All tests performed according to Mitsui methods.

Notes
¹ Typical properties: these are not to be construed as specifications.

² 20 in/min
