

Milastomer™ 5530NS

Mitsui Chemicals America, Inc. - *Thermoplastic Vulcanizate*

General Information

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Material Status	• Commercial: Active
Availability	• North America
Features	• High Flow
Uses	• Flexible Grips • Gaskets
Appearance	• Natural Color
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/10.0 kg)	140	g/10 min	ISO 1133
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	247	psi	ISO 37
Tensile Stress ² (Break)	580	psi	ISO 37
Tensile Elongation ² (Break)	470	%	ISO 37
Compression Set			ISO 815
73°F, 22 hr	26	%	
158°F, 22 hr	35	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 48
Shore A	62		
Shore A, 5 sec	55		
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

