

Milastomer™ 5020NS

Mitsui Chemicals America, Inc. - *Thermoplastic Vulcanizate*
General Information
General

Material Status	• Commercial: Active
Availability	• North America
Uses	• Gaskets • Weatherstripping
Appearance	• Natural Color
Forms	• Pellets
Processing Method	• Extrusion

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)	30	g/10 min	ISO 1133
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ² (100% Strain)	189	psi	ISO 37
Tensile Stress ² (Break)	508	psi	ISO 37
Tensile Elongation ² (Break)	480	%	ISO 37
Compression Set			ISO 815
73°F, 22 hr	25	%	
158°F, 22 hr	45	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 48
Shore A	53		
Shore A, 5 sec	48		
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
