

Milastomer™ 5020BS

Mitsui Chemicals America, Inc. - *Thermoplastic Vulcanizate*

General Information

General

Material Status	• Commercial: Active
Availability	• North America
Uses	• Gaskets • Weatherstripping
Appearance	• Black
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)	15	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)	450	%	ISO 37
Compression Set			ISO 815
73°F, 22 hr	26	%	
158°F, 22 hr	45	%	

Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 48
Shore A	54		
Shore A, 5 sec	49		

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

