

Milastomer™ 5020NS

Thermoplastic Vulcanizate

Mitsui Chemicals America, Inc.

Message:

Milastomer™5020NS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by extrusion. Milastomer™The typical application fields of 5020NS are: engineering/industrial accessories

General Information			
Uses	Washer		
	Weather-resistant sealing strip		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
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
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 48
Shaw A	53		ISO 48
Shaw A, 5 seconds	48		ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	1.30	MPa	ISO 37
Tensile Stress ² (Break)	3.50	MPa	ISO 37
Tensile Elongation ³ (Break)	480	%	ISO 37
Compression Set			ISO 815
23°C, 22 hr	25	%	ISO 815
70°C, 22 hr	45	%	ISO 815
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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