

Milastomer™ 5530NS

Thermoplastic Vulcanizate

Mitsui Chemicals America, Inc.

Message:

Milastomer™5530NS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by extrusion or injection molding. Milastomer™The main characteristics of 5530NS are: high liquidity.

Typical application areas include:

engineering/industrial accessories

Handle

General Information	
Features	High liquidity
Uses	Washer
	Soft handle
Appearance	Natural color
Forms	Particle
Processing Method	Extrusion
	Injection molding

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
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Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 48
Shaw A	62		ISO 48
Shaw A, 5 seconds	55		ISO 48

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	1.70	MPa	ISO 37
Tensile Stress ² (Break)	4.00	MPa	ISO 37
Tensile Elongation ³ (Break)	470	%	ISO 37
Compression Set			ISO 815
23°C, 22 hr	26	%	ISO 815
70°C, 22 hr	35	%	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

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Recommended distributors for this material

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