

Milastomer™ 6030NS

Thermoplastic Vulcanizate

Mitsui Chemicals America, Inc.

Message:

Milastomer™6030NS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by extrusion, calendering or injection molding.

Milastomer™The typical application field of 6030NS is: handle

General Information			
Uses	Toothbrush handle		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Calendering		
	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)	50	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 48
Shaw A	58		ISO 48
Shaw A, 5 seconds	53		ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	1.40	MPa	ISO 37
Tensile Stress ² (Break)	3.40	MPa	ISO 37
Tensile Elongation ³ (Break)	450	%	ISO 37
Compression Set			ISO 815
23°C, 22 hr	31	%	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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Recommended distributors for this material

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