

Milastomer™ 8051BS

Thermoplastic Vulcanizate

Mitsui Chemicals America, Inc.

Message:

Milastomer™8051BS is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America and is processed by injection molding.

Milastomer™The main characteristics of 8051BS are: high liquidity.

Typical application areas include:

engineering/industrial accessories

Handle

General Information			
Features	High liquidity		
Uses	Washer		
	Soft handle		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 48
Shaw A	89		ISO 48
Shaw A, 5 seconds	86		ISO 48
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress ¹ (100% Strain)	5.20	MPa	ISO 37
Tensile Stress ² (Break)	7.90	MPa	ISO 37
Tensile Elongation ³ (Break)	440	%	ISO 37
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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