Milastomer™ 8051BS

Mitsui Chemicals America, Inc. - *Thermoplastic Vulcanizate*

General Information

General		
Material Status	• Commercial: Active	
Availability	• North America	
Features	• High Flow	
Uses	• Flexible Grips	• Gaskets
Appearance	• Black	
Forms	• Pellets	
Processing Method	• Injection Molding	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ISO 1133
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (100% Strain)	754	psi	ISO 37
Tensile Stress [2] (Break)	1150	psi	ISO 37
Tensile Elongation [2] (Break)	440	%	ISO 37
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness			ISO 48
Shore A	89		
Shore A, 5 sec	86		
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

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