

Multi-Flex® TPE A9002 MR

Thermoplastic Elastomer
Multibase, A Dow Corning Company

Message:
Multi-Flex® TPE A9002 MR is a Thermoplastic Elastomer (TPE) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive. Primary characteristic: scratch resistant.

General Information			
Features	Good Colorability		
	Scratch Resistant		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.898	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	87		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	120	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	11.0	MPa	ISO 37
Tensile Elongation (Break)	660	%	ISO 37
Tear Strength	60	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	204	°C	
Middle Temperature	210	°C	
Front Temperature	216	°C	
Nozzle Temperature	221	°C	
Processing (Melt) Temp	221	°C	
Mold Temperature	37.8 to 48.9	°C	
Injection Rate	Moderate-Fast		

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