

Multi-Flex® TPO 2503 S

Thermoplastic Polyolefin Elastomer
Multibase, A Dow Corning Company

Message:

Multi-Flex® TPO 2503 S is a Thermoplastic Polyolefin Elastomer (TPO (POE)) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.
Characteristics include:
Fast Molding Cycle
Heat Resistant
Impact Resistant

General Information			
Features	Fast Molding Cycle		
	Good Thermal Stability		
	Low Density		
	Low Temperature Impact Resistance		
	Paintable		
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)	2.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 10 sec)	37		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	290	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	10.0	MPa	ISO 37
Tensile Elongation (Break)	440	%	ISO 37
Tear Strength	75	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	199	°C	
Middle Temperature	210	°C	
Front Temperature	221	°C	
Nozzle Temperature	227	°C	
Processing (Melt) Temp	227	°C	
Mold Temperature	32.2 to 48.9	°C	
Injection Rate	Fast		

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