

Multi-Flex® TPE A4710 S

Thermoplastic Elastomer
Multibase, A Dow Corning Company

Message:

Multi-Flex® TPE A4710 S is a Thermoplastic Elastomer (TPE) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Typical application: Automotive.

General Information			
Features	Good Colorability		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	24	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	50		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	5.00	MPa	ISO 37
Tensile Elongation (Break)	740	%	ISO 37
Tear Strength	20	kN/m	ISO 34-1
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	188	°C	
Middle Temperature	199	°C	
Front Temperature	210	°C	
Nozzle Temperature	210	°C	
Processing (Melt) Temp	210	°C	
Mold Temperature	26.7 to 43.3	°C	
Injection Rate	Moderate-Fast		
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	154	°C	
Cylinder Zone 3 Temp.	182	°C	
Cylinder Zone 5 Temp.	202	°C	
Melt Temperature	199	°C	
Die Temperature	207	°C	

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