

Multi-Flex® TPE A7455 S

Thermoplastic Elastomer

Multibase, A Dow Corning Company

Message:

Multi-Flex® TPE A7455 S is a Thermoplastic Elastomer (TPE) product. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America. Primary characteristic: flame retardant.

General Information			
Features	Flame Retardant		
	Good Colorability		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	1.16	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.7	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 15 sec)	79		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Break)	9.00	MPa	ISO 37
Tensile Elongation (Break)	790	%	ISO 37
Tear Strength	45	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	193	°C	
Front Temperature	199	°C	
Nozzle Temperature	199	°C	
Processing (Melt) Temp	199	°C	
Mold Temperature	26.7 to 37.8	°C	
Injection Rate	Moderate-Fast		

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