

Multi-Flex® TPE A8502 LC UV

Thermoplastic Elastomer
Multibase, A Dow Corning Company

Message:

Multi-Flex® TPE A8502 LC UV 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: good uv resistance.

General Information			
Features	Good UV Resistance		
	Low Compression Set		
Uses	Automotive Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	81		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	10.3	MPa	ASTM D412
Tensile Elongation (Break)	610	%	ASTM D412
Tear Strength	45.5	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	31	%	
70°C, 22 hr	46	%	
100°C, 22 hr	77	%	
Injection	Nominal Value	Unit	
Drying Temperature	65.6	°C	
Drying Time	2.0 to 4.0	hr	
Rear Temperature	193	°C	
Middle Temperature	204	°C	
Front Temperature	216	°C	
Nozzle Temperature	216	°C	
Processing (Melt) Temp	216	°C	
Mold Temperature	26.7 to 43.3	°C	
Injection Rate	Moderate-Fast		
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	160	°C	
Cylinder Zone 3 Temp.	188	°C	
Cylinder Zone 5 Temp.	210	°C	

Melt Temperature	204	°C
Die Temperature	213	°C

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