

Monprene® IN-32954

Thermoplastic Elastomer

Teknor Apex Company

Message:

Monprene® IN-32954 is a Thermoplastic Elastomer (TPE) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion or injection molding.

Typical application of Monprene® IN-32954 : Consumer Goods

General Information	
Uses	Consumer Applications
	General Purpose
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.16	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	0.40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 1 sec)	55		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	5.50	MPa	ASTM D412
Tensile Elongation (Break)	500	%	ASTM D412
Compression Set ¹			ASTM D395B
23°C, 22 hr	19	%	
70°C, 22 hr	39	%	
Injection	Nominal Value	Unit	
Rear Temperature	199 to 210	°C	
Middle Temperature	204 to 216	°C	
Front Temperature	210 to 221	°C	
Nozzle Temperature	216 to 227	°C	
Processing (Melt) Temp	216 to 227	°C	
Mold Temperature	25.0 to 65.6	°C	
Cushion	3.81 to 25.4	mm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	193 to 204	°C	
Cylinder Zone 2 Temp.	199 to 210	°C	
Cylinder Zone 3 Temp.	204 to 216	°C	
Cylinder Zone 5 Temp.	210 to 221	°C	

Die Temperature	216 to 227	°C
NOTE		
1.	Type 2	

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Recommended distributors for this material

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