Monprene® CP-11150 (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

The Monprene CP-11100 High Density Series of thermoplastic elastomer compounds, available in NAT or colors, from 40 to 90 Shore A, are designed specifically for consumer product applications requiring a soft, rubber-like feel. Monprene CP-11160 is a low hardness, high density, filled grade that is suitable for injection molding.

General Information	
Features	High specific gravity
	High density
	Workability, good
	Good flexibility
	Good coloring
	Good adhesion
	Good chemical resistance
	Fill
	General
	Medium hardness
Uses	Water Sports Equipment
	Safety equipment
	Handle
	Electrical appliances
	Personal care
	Furniture
	Household goods
	Soft touch application
	Soft handle
	Sporting goods
	Toys
	Stationery
	Stationery
	Rubber substitution
	Consumer goods application field
	Knob
RoHS Compliance	RoHS compliance
Appearance	Opacity
	Available colors

Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.15	g/cm³	ISO 1183
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec)	50		ISO 868
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow (100% Strain)	1.00	MPa	ISO 37
Tensile Stress - Across Flow (Break)	8.62	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	900	%	ISO 37
Tear Strength [1]			ISO 34-1
Transverse flow	19	kN/m	ISO 34-1
Flow	22	kN/m	ISO 34-1
Compression Set [2] (70°C, 22 hr)	28	%	ISO 815
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Apparent Shear Viscosity - Capillary, @ 206/s (200°C)	207	Pa·s	ASTM D3835

Legal statement

Injection	Nominal Value	Unit
Rear Temperature	160 - 177	°C
Middle Temperature	182 - 204	°C
Front Temperature	193 - 216	°C
Nozzle Temperature	182 - 227	°C
Processing (Melt) Temp	182 - 227	°C
Mold Temperature	27 - 49	°C
Injection Rate	Moderate-Fast	
Back Pressure	0.172 - 0.689	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 12.7	mm

Injection instructions

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

NOTE

1.	Method B, right-angle specimen (without cut)
2.	Type a

infringement occurs, please contact us immediately.

Recommended distributors for this material

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