Monprene® RG-18126 CLR

Teknor Apex Company - Thermoplastic Elastomer

Thursday, April 2, 2026

General Information

Product Description

Monprene RG-18126 CLR is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene RG-18126 CLR is a low density, low hardness, RoHS compliant grade suitable for injection molding processing.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Gloss • Good Moldability • Good Processability • High Elasticity	• High Flow • Low Density • Low Hardness • Low Slip	• Low Specific Gravity • Low Viscosity • Without Fillers
Uses	• Consumer Applications • Flexible Grips	• General Purpose • Handles	• Knobs • Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Clear/Transparent	• Colors Available	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.880		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	90.0	psi	ASTM D412
Tensile Stress (300% Strain)	225	psi	ASTM D412
Tensile Strength (Break)	950	psi	ASTM D412
Tensile Elongation (Break)	800	%	ASTM D412
Compression Set (73°F, 22 hr)	23	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec	28		
Shore A, 5 sec	26		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	280 to 320	°F
Middle Temperature	300 to 340	°F
Front Temperature	340 to 380	°F
Nozzle Temperature	360 to 400	°F

Revision Date: 5/12/2023

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Injection	Nominal Value	Unit
Processing (Melt) Temp	360 to 400	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 800	psi
Injection Rate	Fast	
Back Pressure	25.0 to 100	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Injection Notes

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

Notes

[1] Typical properties: these are not to be construed as specifications.

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