

Monprene® SP-13136 CLR (PRELIMINARY DATA)

Thermoplastic Elastomer
Teknor Apex Company

Message:
Monprene SP-13136 CLR, available in NAT and colors, is a high performance thermoplastic elastomer designed for a variety of consumer product applications requiring a soft, rubber-like feel. Monprene SP-13136 CLR is a low density, low hardness, lubricated grade suitable for injection molding.

General Information	
Features	Low Specific Gravity Without Fillers Low density High elasticity High energy absorption High melt stability Workability, good Good formability Good processing stability Good liquidity Good melt strength Good coloring Medium liquidity Lubrication Good demoulding performance Transparent appearance Extended tensile rate Hardness, low
Uses	Encapsulant Sporting goods Consumer goods application field
RoHS Compliance	RoHS compliance
Appearance	Available colors Clear/transparent Natural color
Forms	Particle
Processing Method	Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.888	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 1 second, injection molding	38		ASTM D2240
Shore A, 5 seconds, injection molding	36		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	8.27	MPa	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412

Legal statement

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Injection	Nominal Value	Unit
Rear Temperature	188 - 210	°C
Middle Temperature	188 - 210	°C
Front Temperature	188 - 210	°C
Nozzle Temperature	188 - 210	°C
Processing (Melt) Temp	188 - 210	°C
Mold Temperature	16 - 32	°C
Injection Pressure	1.38 - 5.52	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.689	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

Injection instructions

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

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