+135-3858-6433 (GuangDong)
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TEKNOR APEX

Monprene® CE-22968

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Monprene CE-22968 is a high performance thermoplastic elastomer, available in NAT and colors, developed for a variety of consumer electronic product applications, including wire and cable jacketing. Monprene CE-22968 is a medium hardness, low density, UV resistant grade designed for extrusion.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific	• North America	
Features	• Chemical Resistant • Good Adhesion • Good Colorability	• Good Processability • Good Surface Finish • Low Density	• Low Specific Gravity • Medium Hardness
Uses	• Consumer Applications • Gaskets • Jacketing	• Profiles • Rubber Replacement • Tubing	• Wire & Cable Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.922		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	3.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	276	psi	ASTM D412
Tensile Stress (300% Strain)	479	psi	ASTM D412
Tensile Strength (Break)	870	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Compression Set			ASTM D395B
5°F, 22 hr	28	%	
73°F, 22 hr	26	%	
158°F, 22 hr	50	%	
212°F, 22 hr	68	%	
257°F, 22 hr	88	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	70		
Shore A, 5 sec	68		

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	360 to 450	°F
Middle Temperature	370 to 460	°F
Front Temperature	380 to 470	°F
Nozzle Temperature	390 to 480	°F
Processing (Melt) Temp	390 to 480	°F
Mold Temperature	95 to 120	°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).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	360 to 450	°F
Cylinder Zone 2 Temp.	370 to 460	°F
Cylinder Zone 3 Temp.	380 to 470	°F
Cylinder Zone 4 Temp.	380 to 470	°F
Cylinder Zone 5 Temp.	390 to 480	°F
Die Temperature	390 to 480	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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