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TEKNOR APEX

Sarlink® TPE RV-2240

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink TPE RV-2240 is a high performance thermoplastic elastomer used in a variety of transportation applications. Sarlink TPE RV-2240 is a low hardness, low density extrusion grade with good UV resistance.

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Filled • Light Stabilized • Low Density	• Low Flow • Low Hardness • Low Specific Gravity	• Lubricated • Slip • UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Exterior Trim • Rubber Replacement	
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.0	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	1100	psi	ASTM D412
Tensile Elongation (Break)	650	%	ASTM D412
Tear Strength [2]	110	lbf/in	ASTM D624
Compression Set (158°F, 22 hr)	28	%	ASTM D395
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec	42		
Shore A, 5 sec	40		

Processing Information

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.	320 to 400	°F
Cylinder Zone 2 Temp.	330 to 410	°F
Cylinder Zone 3 Temp.	340 to 420	°F
Cylinder Zone 4 Temp.	340 to 420	°F
Cylinder Zone 5 Temp.	350 to 430	°F

Extrusion	Nominal Value	Unit
Die Temperature	350 to 430	°F

Extrusion Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).;
Screw Speed: 30 to 100 rpm