



Sarlink® TPE RV-2370D

Teknor Apex Company - Thermoplastic Polyolefin Elastomer

General Information

Product Description

Sarlink® RV-2370D is a high performance thermoplastic polyolefin, available in NAT, used in a variety of automotive applications. Sarlink® RV-2370D is a high hardness, high density, RoHS compliant grade suitable for injection molding and extrusion.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Chemical Resistant • Filled • Good Colorability • Good Melt Strength	• Good Moldability • Good Processability • Good Processing Stability • Good Toughness • Halogen Free	• High Density • High Hardness • High Specific Gravity • High Stiffness • Low Flow
Uses	• Automotive Applications • Automotive Exterior Parts • Automotive Exterior Trim	• Automotive Interior Parts • Automotive Interior Trim • Profiles	• Structural Parts
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Opaque
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.24		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ² (Break, Injection Molded)	3850	psi	ASTM D638
Tensile Elongation ² (Break, Injection Molded)	38	%	ASTM D638
Flexural Modulus (Injection Molded, 2.00 in Span)	446000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, Injection Molded)	1.8	ft-lb/in	ASTM D256
Gardner Impact (-22°F, Injection Molded)	4.00	in-lb	ASTM D3029
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 1 sec, Injection Molded	75		
Shore D, 5 sec, Injection Molded	72		
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (392°F, 207 sec ⁻¹)	573	Pa·s	ASTM D3835

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Processing Information

Injection	Nominal Value	Unit
Rear Temperature	380 to 460	°F
Middle Temperature	380 to 460	°F
Front Temperature	380 to 460	°F
Nozzle Temperature	380 to 460	°F
Processing (Melt) Temp	380 to 460	°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).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	380 to 440	°F
Cylinder Zone 2 Temp.	380 to 440	°F
Cylinder Zone 3 Temp.	380 to 440	°F
Cylinder Zone 4 Temp.	380 to 440	°F
Cylinder Zone 5 Temp.	380 to 440	°F
Die Temperature	380 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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

² Type I, 20 in/min