



Sarlink® TPE RV-2669D (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Polyolefin Elastomer

General Information

Product Description

Sarlink RV-2669DN is a high performance Thermoplastic Elastomer used in transportation applications. Sarlink RV-2669DN is a high hardness grade and UV resistant. This grade can be processed by extrusion and injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Filled • Good Colorability • Good Melt Strength • Good Mold Release • Good Moldability	• Good Processability • Good Processing Stability • Good Stiffness • High Hardness • Light Stabilized	• Low Flow • Lubricated • Medium Density • Slip
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Exterior Trim • Grommets	• Profiles
RoHS Compliance	• RoHS Compliant		
Appearance	• Black • 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	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus ² (73°F, 0.125 in, Injection Molded)	282000	psi	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2500	psi	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 1 sec, Injection Molded	70		
Shore D, 5 sec, Injection Molded	68		

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	440 to 480	°F
Middle Temperature	440 to 480	°F
Front Temperature	440 to 480	°F

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Injection	Nominal Value	Unit
Nozzle Temperature	440 to 480	°F
Processing (Melt) Temp	440 to 480	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 50.0	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in
Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	420 to 460	°F
Cylinder Zone 2 Temp.	420 to 460	°F
Cylinder Zone 3 Temp.	420 to 460	°F
Cylinder Zone 4 Temp.	420 to 460	°F
Cylinder Zone 5 Temp.	420 to 460	°F
Die Temperature	420 to 460	°F
Extrusion Notes		
Screw Speed: 30 to 100 rpm		

Notes

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

² 20 in/min