+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE EE-2235N

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink EE-2235N is a general purpose thermoplastic elastomer designed for automotive applications, including exterior extruded components. Sarlink EE-2235N is a low hardness, high density, filled grade with good UV resistance and and has excellent extrudability.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Processability	• Good Surface Finish • High Density • High Specific Gravity	• Low Hardness • UV Resistant
Uses	• Automotive Applications	• Automotive Exterior Trim	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• STELLANTIS PS-7000 [1]		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [2]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
Across Flow : 100% Strain	80.0	psi	
Flow : 100% Strain	130	psi	
Tensile Strength			ASTM D412
Across Flow : Break	760	psi	
Flow : Break	450	psi	
Tensile Elongation			ASTM D412
Across Flow : Break	930	%	
Flow : Break	730	%	
Tear Strength - Across Flow	107	lbf/in	ASTM D624
Compression Set			ASTM D395
73°F, 22 hr	10	%	
158°F, 22 hr	24	%	
257°F, 70 hr	79	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A	38		
Shore A, 15 sec	35		

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Processing Information		
Injection	**Nominal Value**	**Unit**
Rear Temperature	390 to 410	°F
Middle Temperature	400 to 420	°F
Front Temperature	410 to 430	°F
Nozzle Temperature	420 to 440	°F
Processing (Melt) Temp	420 to 440	°F
Mold Temperature	95 to 150	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	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 400	°F
Cylinder Zone 2 Temp.	390 to 410	°F
Cylinder Zone 3 Temp.	400 to 420	°F
Cylinder Zone 5 Temp.	410 to 430	°F
Die Temperature	420 to 440	°F
Extrusion Notes		
Screw Speed: 30 to 100 rpm		

Notes

[1] (formerly approved under Tekron 4000-35UV)

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