+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

TEKNOR APEX

Sarlink® TPE ME-1360N-01 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink EE-1360N-01 is a general purpose thermoplastic elastomer used in automotive applications. Sarlink EE-1360N-01 is a medium hardness, low density, lubricated grade exhibiting superior compression set and chemical resistance. This grade can be processed by injection molding.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose • Good Colorability • Good Flow • Good Moldability	• Good Processability • Low Density • Low Specific Gravity • Lubricated	• Medium Flow • Medium Hardness • Slip
Uses	• Automotive Applications • Automotive Interior Parts	• General Purpose • Grommets	
RoHS Compliance	• RoHS Compliant		
Appearance	• Colors Available	• Natural Color	• Translucent
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ASTM D412
Across Flow : 100% Strain	220	psi	
Flow : 100% Strain	310	psi	
Tensile Strength			ASTM D412
Across Flow : Break	1380	psi	
Flow : Break	680	psi	
Tensile Elongation			ASTM D412
Across Flow : Break	900	%	
Flow : Break	620	%	
Tear Strength - Across Flow	156	lbf/in	ASTM D624
Compression Set			ASTM D395
73°F, 22 hr	23	%	
158°F, 22 hr	38	%	
257°F, 70 hr	88	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, Injection Molded	61		
Shore A, 15 sec, Injection Molded	57		

+135-3858-6433 (GuangDong)
+188-1699-6168 (ShangHai)
+852-6957-5415 (HongKong)

Sarlink® TPE ME-1360N-01 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

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	60 to 90	°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).

Notes

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