Sarlink® TPE OM-1150N

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

Sarlink TPE OM series are high performance specialty thermoplastic elastomers designed for automotive applications requiring excellent bondability to engineered resin substrates. Sarlink TPE OM-1150N is a medium hardness, medium density, opaque grade with good UV resistance that exhibits excellent adhesion to ABS, PC, and PC/ABS.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Bondability • Chemical Resistant • Good Adhesion	• Good Processability • Medium Density • Medium Flow	• Medium Hardness • UV Resistant • Without Fillers
Uses	• Automotive Applications • Automotive Electronics	• Automotive Interior Parts • Overmolding	• Soft Touch Applications
RoHS Compliance	• RoHS Compliant		
Appearance	• Natural Color	• Opaque	
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.00		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	15	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2]			ASTM D412
Across Flow : 100% Strain	214	psi	
Flow : 100% Strain	240	psi	
Tensile Stress [2]			ASTM D412
Across Flow : 300% Strain	421	psi	
Flow : 300% Strain	474	psi	
Tensile Strength [2]			ASTM D412
Across Flow : Break	823	psi	
Flow : Break	851	psi	
Tensile Elongation [2]			ASTM D412
Across Flow : Break	550	%	
Flow : Break	540	%	
Compression Set [3]			ASTM D395B
73°F, 22 hr	42	%	
158°F, 22 hr	91	%	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 1 sec, Injection Molded [4]	45		
Shore A, 5 sec, Injection Molded [5]	55		

Revision Date: 6/1/2016

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Additional Information	Nominal Value	Unit
Adhesion Strength - Cohesive Failure	51	N
Adhesion to ABS		
Adhesion to PC		
Adhesion to PC/ABS		

Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	140	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	280 to 370	°F
Middle Temperature	310 to 390	°F
Front Temperature	310 to 420	°F
Nozzle Temperature	310 to 430	°F
Processing (Melt) Temp	330 to 430	°F
Mold Temperature	50 to 90	°F
Injection Pressure	200 to 800	psi
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

Injection Notes

Moisture can degrade the material. Drying is suggested. This can be accomplished by placing the material in a desiccant dryer for 2 to 4 hours at 140°F.

Notes

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

[2] Die C, 20 in/min

[3] Type 1

[4] Aged for 0 hr at 73°F

[5] Aged for 48 hr at 73°F

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