Sarlink® TPE FM-2163

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

Sarlink TPE FM-2163 is a general purpose thermoplastic elastomer available in Nat, Blk, and other colors, used in a variety of automotive applications including interior parts. Sarlink TPE FM-2163 is a medium hardness, high density, UV resistant grade that exhibits excellent haptics, surface appearance, scratch and mar resistance, has low VOC and fogging, and is suitable for extrusion or injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Colorability • Good Processability • Good Scratch Resistance • Good Surface Finish	• Good Weather Resistance • High Density • High Specific Gravity • Low Fogging • Low VOC	• Medium Hardness • UV Resistant • Wear Resistant
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Interior Parts • General Purpose	• Rubber Replacement • Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Colors Available	• Opaque
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.17		ASTM D792
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	210	psi	ASTM D412
Tensile Stress (300% Strain)	310	psi	ASTM D412
Tensile Strength [2] (Break)	830	psi	ASTM D412
Tensile Elongation (Break)	750	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shore A, 15 sec [3]	61		
Shore A, 15 sec [4]	63		

Legal Statement

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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

Revision Date: 6/1/2016

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Injection	Nominal Value	Unit
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 4 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] Typical properties: these are not to be construed as specifications.

[2] 20 in/min

[3] STAND

[4] HAND

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