Sarlink® TPE EE-1185B (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

Friday, April 3, 2026

General Information

Product Description

The Sarlink EE-1100 Series is a general purpose thermoplastic elastomer series, available in BLK, designed for demanding automotive extrusion applications including backbone for window encapsulation. Sarlink EE-1185B is a higher hardness, high density grade with low CLTE, good chemical resistance and elastic performance.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Balanced Stiffness/Toughness • Chemical Resistant • Good Adhesion	• Good Processability • High Density • High Hardness	• High Specific Gravity • Resilient
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Window Encapsulation • Profiles	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Coextrusion	• Extrusion	

Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 37
Across Flow : 100% Strain	466	psi	
Flow : 100% Strain	856	psi	
Tensile Strength			ISO 37
Across Flow : Break	1450	psi	
Flow : Break	1150	psi	
Tensile Elongation			ISO 37
Across Flow : Break	720	%	
Flow : Break	500	%	
Tear Strength [2]	257	lbf/in	ISO 34
Compression Set [3] (158°F, 22 hr)	43	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec, Injection Molded)	86		ISO 868
Aging	**Nominal Value**	**Unit**	**Test Method**
Change in Tensile Strength in Air - Across Flow			ISO 188
257°F, 168 hr	-1.7	%	
100% Strain 257°F, 168 hr	13	%	
Change in Tensile Strain at Break in Air - Across Flow			ISO 188
257°F, 168 hr	-2.3	%	
Change in Shore Hardness in Air			ISO 188
Shore A, 257°F, 168 hr	0.30		
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	244	Pa·s	ISO 11443

Revision Date: 7/17/2019

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	340 to 380	°F
Cylinder Zone 2 Temp.	350 to 390	°F
Cylinder Zone 3 Temp.	360 to 400	°F
Cylinder Zone 4 Temp.	360 to 400	°F
Cylinder Zone 5 Temp.	370 to 400	°F
Die Temperature	370 to 400	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm; predrying is suggested to enhance bonding for coextrusion.

Notes

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

[2] 20 in/min

[3] Type A

Teknor Apex Company
Corporate Headquarters

In U.S. for Vinyls, TPEs, Colorants,

Engineered Thermoplastics (Chem Polymer)
505 Central Avenue
Pawtucket, Rhode Island 02861 U.S.

Phone: 401-725-8000
Fax: 401-725-8095
Toll Free (U.S. only) 800-556-3864

www.teknorapex.com
info@teknorapex.com

Teknor Apex B.V.

Brightlands Chemelot Campus Umonderbaan 22
6167 RD Geleen, Netherlands

Phone: +31 46 7020 950
Fax: +31 46 7020 990

www.teknorapex.com
tpe@teknorapex.com

Teknor Apex (Suzhou) Advanced Polymer Compounds Co. Pte. Ltd.

No. 78 Ping Sheng Road

Suzhou Industrial Park
Jiangsu, China 215126

Phone: (86) 512-6287-1550
Fax: (86) 512-6288-8371

www.teknorapex.com
infotaap@teknoapex.com

Teknor Apex Asia Pacific PTE. LTD.

41 Shipyard Road

Singapore 628134

Phone: (65) 6265-2544
Fax: (65) 6265-1821

www.teknorapex.com
infotaap@teknorapex.com

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