

# Sarlink® TPE EE-1185B (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

## Message:

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 Information	
Features	High specific gravity
	High density
	Equilibrium rigidity/toughness
	Good UV resistance
	Workability, good
	Good adhesion
	Good chemical resistance
	High hardness
	Elastic
Uses	Car window package
	Application in Automobile Field
	Automotive exterior parts
	Rubber substitution
	Profile
RoHS Compliance	RoHS compliance
Appearance	Black
Forms	Particle
Processing Method	Co-extrusion molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm <sup>3</sup>	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec, Injection Molded)	83		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	3.21	MPa	ISO 37
Tensile Strength - Across Flow (Break)	10.0	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	720	%	ISO 37
Tear Strength <sup>1</sup>	42.5	kN/m	ISO 34

Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec <sup>-1</sup> )	259	Pa·s	ISO 11443

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Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	171 - 193	°C
Cylinder Zone 2 Temp.	177 - 199	°C
Cylinder Zone 3 Temp.	182 - 204	°C
Cylinder Zone 4 Temp.	182 - 204	°C
Cylinder Zone 5 Temp.	188 - 204	°C
Die Temperature	188 - 204	°C

#### Extrusion instructions

Screw Speed: 30 to 100 rpm

#### NOTE

1. 500 mm/min

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