

# Sarlink® TPE EE-1290 BLK 111

Thermoplastic Elastomer

Teknor Apex Company

## Message:

Sarlink EE-1290 BLK 111 is a general purpose thermoplastic elastomer designed for automotive applications, including exterior extruded components. Sarlink EE-1290 BLK 111 is a high hardness, high density grade with good UV resistance and can also be injection molded.

General Information	
Features	UV Stabilized High specific gravity High density Workability, good Good adhesion Good chemical resistance High hardness
Uses	Blow molding applications Washer Weather-resistant sealing strip Application in Automobile Field Car interior parts Automotive exterior parts Car exterior decoration General
RoHS Compliance	RoHS compliance
Appearance	Opacity
Forms	Particle
Processing Method	Extrusion Injection molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.18	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	90		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1.86	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	4.55	MPa	ASTM D412

Tensile Strength (Break)	12.4	MPa	ASTM D412
Tensile Elongation (Break)	550	%	ASTM D412
Tear Strength <sup>1</sup>	47.3	kN/m	ASTM D1004

#### Legal statement

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Injection	Nominal Value	Unit
Rear Temperature	199 - 210	°C
Middle Temperature	204 - 216	°C
Front Temperature	210 - 221	°C
Nozzle Temperature	216 - 227	°C
Processing (Melt) Temp	216 - 227	°C
Mold Temperature	35 - 66	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 120	rpm
Cushion	3.81 - 25.4	mm

#### Injection instructions

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	193 - 204	°C
Cylinder Zone 2 Temp.	199 - 210	°C
Cylinder Zone 3 Temp.	204 - 216	°C
Cylinder Zone 4 Temp.	204 - 216	°C
Cylinder Zone 5 Temp.	210 - 221	°C
Die Temperature	216 - 227	°C

#### Extrusion instructions

螺杆转速30 - 100 rpm

#### NOTE

1. C mould

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