



# Sarlink® TPE ME-2255D BLK 111 (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

## General Information

### Product Description

Sarlink ME-2255D BLK 111 is a general purpose thermoplastic elastomer used in automotive applications, including exterior. Sarlink ME-2255D BLK 111 is a high hardness, low density, RoHS compliant grade suitable for injection molding.

### General

Material Status	• Commercial: Active
Availability	<ul style="list-style-type: none"> <li>• Africa &amp; Middle East</li> <li>• Asia Pacific</li> <li>• Europe</li> <li>• Latin America</li> <li>• North America</li> </ul>
Features	<ul style="list-style-type: none"> <li>• Abrasion Resistant</li> <li>• Bondability</li> <li>• Good Color Stability</li> <li>• Good Flow</li> <li>• Good Melt Strength</li> <li>• Good Mold Release</li> <li>• Good Moldability</li> <li>• Good Processability</li> <li>• Good Processing Stability</li> <li>• High Hardness</li> <li>• Low Density</li> <li>• Low Fogging</li> <li>• Low Specific Gravity</li> <li>• Without Fillers</li> </ul>
Uses	<ul style="list-style-type: none"> <li>• Automotive Applications</li> <li>• Automotive Exterior Parts</li> </ul>
RoHS Compliance	• RoHS Compliant
Automotive Specifications	• FORD ESB-M2D246-A3
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

## ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.962		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2550	psi	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 1 sec, Injection Molded	57		
Shore D, 5 sec, Injection Molded	55		

## Processing Information

Injection	Nominal Value	Unit
Rear Temperature	440 to 480	°F
Middle Temperature	440 to 480	°F
Front Temperature	440 to 480	°F
Nozzle Temperature	440 to 480	°F
Processing (Melt) Temp	440 to 480	°F
Mold Temperature	60 to 90	°F

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Injection	Nominal Value	Unit
Injection Pressure	200 to 1000	psi
Injection Rate	Moderate-Fast	
Back Pressure	25.0 to 50.0	psi
Screw Speed	50 to 100	rpm
Cushion	0.150 to 1.00	in

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.