

## AuroraFlex™ EL 8138B

Aurora Material Solutions, LLC - *Styrene Ethylene Butylene Styrene Block Copolymer*

### General Information

#### Product Description

EL 8138B is a black thermoplastic elastomer compound formulated for applications that require rubber-like properties and a good surface finish. EL 8138B is well suited for consumer goods and industrial applications requiring UV stability, and it can be overmolded to polypropylene.

#### General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Surface Finish	• UV Stabilized	
Uses	• Consumer Applications	• Industrial Applications	• Overmolding
Appearance	• Black		
Processing Method	• Extrusion	• Injection Molding	

### Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.11		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	160	psi	ASTM D412
Tensile Strength	540	psi	ASTM D412
Tensile Elongation (Break)	480	%	ASTM D412
Tear Strength	75.0	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	40		ASTM D2240

### Processing Information

Injection	Nominal Value	Unit
Rear Temperature	289 to 320	°F
Front Temperature	320 to 360	°F
Nozzle Temperature	370 to 399	°F
Mold Temperature	70 to 100	°F
Injection Rate	Moderate-Fast	
Back Pressure	50.0 to 99.9	psi
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

### Notes

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

