

**AuroraFlex™ EL 8068BHL**

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*
**General Information**
**Product Description**

8068BHL is a black lubricated thermoplastic elastomer formulated for applications that require rubber-like properties and a reduced coefficient of friction. 8068BHL is well suited for consumer goods and industrial applications requiring increased U.V. stability. 8068BL can be overmolded to polypropylene.

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Lubricant	• UV Stabilizer	
Features	• Lubricated	• 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	1.05		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength	950	psi	ASTM D412
Tensile Elongation (Break)	700	%	ASTM D412
Tear Strength	165	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	68		ASTM D2240

**Processing Information**

Injection	Nominal Value	Unit
Rear Temperature	331 to 351	°F
Front Temperature	351 to 360	°F
Nozzle Temperature	360 to 379	°F
Mold Temperature	70 to 100	°F
Injection Rate		Fast
Back Pressure	50.0 to 99.9	psi
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

