

## AuroraFlex™ EL 2880L

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

### General Information

#### Product Description

EL 2880L thermoplastic elastomer has been developed for applications that require rubber-like properties and a reduced coefficient of friction. EL 2880L is FDA compliant and well suited for consumer goods and industrial applications. EL 2880L can be over molded onto polypropylene.

#### General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Uses	• Consumer Applications • Industrial Applications • Overmolding
Agency Ratings	• FDA
Processing Method	• Injection Molding

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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	696	psi	ASTM D412
Tensile Strength	972	psi	ASTM D412
Tensile Elongation (Break)	420	%	ASTM D412
Tear Strength	227	lbf/in	ASTM D624
Compression Set (158°F, 22 hr)	18	%	ASTM D395B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	80		ASTM D2240

### Processing Information

Injection	Nominal Value	Unit
Rear Temperature	331 to 351	°F
Front Temperature	360 to 370	°F
Nozzle Temperature	379 to 399	°F
Mold Temperature	70 to 100	°F
Injection Rate		Fast
Back Pressure	99.9 to 200	psi
Screw Compression Ratio	2.5:1.0 to 3.0:1.0	

