

AuroraFlex™ EL 2880EL

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

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

General

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

Properties ¹

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
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	

