

AuroraFlex™ 8135E

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

An easy to process, low modulus, injection molded Styrenic TPE compound designed for over-molding to Polypropylene.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Good Processability
Uses	• Overmolding
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.18		ASTM D792
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	10400	psi	ASTM D412
Tensile Strength	450	psi	ASTM D412
Tensile Elongation (Break)	960	%	ASTM D412
Tear Strength	80.7	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 10 sec)	33		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	

