

AuroraFlex™ 2870E

Aurora Material Solutions, LLC - *Styrene Ethylene Butylene Styrene Block Copolymer*
General Information
Product Description

SEBS compound suitable for extrusion profile and tubing applications.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Asia Pacific • Europe • Latin America • North America
Uses	• Profiles • Tubing
Appearance	• Colors Available
Processing Method	• Extrusion • Profile Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.922		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	5.6	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	318	psi	ASTM D412
Tensile Strength	841	psi	ASTM D412
Tensile Elongation (Break)	610	%	ASTM D412
Tear Strength	234	lbf/in	ASTM D624
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	70		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	

