AuroraFlex™ 8055NE

Aurora Material Solutions, LLC - *Thermoplastic Elastomer*

General Information

Product Description			
A SEBS based thermoplastic elastomer designed for extrusion applications.			
General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Uses	• Consumer Applications	• Industrial Applications	• Overmolding
Processing Method	• Extrusion	• Injection Molding	

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	0.992		ASTM D792
Melt Mass-Flow Rate (MFR) (200°C/5.0 kg)	1.9	g/10 min	ASTM D1238
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	239	psi	ASTM D412
Tensile Strength	2020	psi	ASTM D412
Tensile Elongation (Break)	880	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 10 sec)	55		ASTM D2240

Processing Information

Injection	**Nominal Value**	**Unit**
Rear Temperature	345 to 376	°F
Front Temperature	354 to 385	°F
Nozzle Temperature	365 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	