

AuroraFlex™ 20020-87A

Aurora Material Solutions, LLC - *Compounded Polypropylene*

General Information

Product Description

A TPO Elastomer designed for general purpose applications. RoHS Compliant material with excellent low temperature properties.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• General Purpose
Uses	• General Purpose
RoHS Compliance	• RoHS Compliant
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.07 to 1.13		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	696	psi	ASTM D412
Tensile Strength ²	1100	psi	ASTM D412
Tensile Elongation ² (Break)	650	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 15 sec)	84 to 90		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature ³	< -76.0	°F	ASTM D746

Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	300	°F
Cylinder Zone 2 Temp.	310	°F
Cylinder Zone 3 Temp.	315	°F
Cylinder Zone 4 Temp.	320	°F
Melt Temperature	310	°F
Die Temperature	320	°F

Notes

¹ Typical properties: these are not to be construed as specifications.

² Die C

³ 75mil

