

AuroraFlex™ TuffFill 5702UV6D

Aurora Material Solutions, LLC - Polypropylene

General Information
Product Description

A thermoplastic polypropylene material specially designed for automotive exterior applications with UV resistant properties.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • Asia Pacific • Latin America • North America
Features	• UV Resistant
Uses	• Automotive Exterior Parts
Appearance	• Colors Available
Processing Method	• Extrusion

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.22		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.93	g/10 min	ASTM D1238
Mechanical			
Tensile Stress (Yield)	4190	psi	ISO 527-2
Flexural Modulus	614000	psi	ISO 178
Impact			
Notched Izod Impact Strength			ISO 180
-22°F	0.95	ft·lb/in ²	
70°F	2.6	ft·lb/in ²	
Thermal			
Deflection Temperature Under Load ² (66 psi, Unannealed)	261	°F	ISO 75-2/B
Deflection Temperature Under Load ² (264 psi, Unannealed)	163	°F	ISO 75-2/A

Processing Information

	Nominal Value	Unit
Extrusion		
Cylinder Zone 1 Temp.	340	°F
Cylinder Zone 2 Temp.	360	°F
Cylinder Zone 3 Temp.	370	°F
Cylinder Zone 4 Temp.	380	°F
Cylinder Zone 5 Temp.	390	°F
Melt Temperature	355 to 365	°F
Die Temperature	400	°F

