

AuroraGuard™ F530GFU

Aurora Material Solutions, LLC - Polypropylene

General Information

Product Description

Polypropylene, UL94 V0, 5V Rated

Formerly known as EnDure F530GFU

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Filler, 30% Filler by Weight		
Additive	• Flame Retardant	• Impact Modifier	
Features	• Flame Retardant	• Impact Modified	
Uses	• Automotive Applications	• Lawn & Garden Equipment	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding	• Profile Extrusion	

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.45		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical			
Tensile Strength (Yield)	7500	psi	ASTM D638
Flexural Modulus	715000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	3.5	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	290	°F	ASTM D648
Flammability			
Flame Rating			UL 94
0.06 in		V-0	
0.12 in	•	V-0	
	•	5V	

Processing Information

	Nominal Value	Unit
Injection		
Rear Temperature	350 to 400	°F
Middle Temperature	390 to 450	°F
Front Temperature	390 to 450	°F
Nozzle Temperature	390 to 450	°F
Processing (Melt) Temp	350 to 400	°F
Mold Temperature	100 to 150	°F

