

AuroraGuard™ F015MGF2002

Aurora Material Solutions, LLC - Polypropylene

General Information
Product Description

Impact modified, Mineral and Glass Reinforced, Flame Retardent PP

Polypropylene, UL94 V0 Rated

Formerly known as EnDure F015MGF2002

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Glass Fiber, 15% Filler by Weight		
Additive	• Flame Retardant	• Impact Modifier	
Features	• Flame Retardant	• Impact Modified	
Uses	• Appliances	• Automotive Applications	• HVAC Applications
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.05		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical			
Tensile Strength (Yield)	5500	psi	ASTM D638
Flexural Modulus	340000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	1.5	ft·lb/in	ASTM D256
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed)	260	°F	ASTM D648
Flammability			
Flame Rating (0.06 in)	V-0		UL 94

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

