

AuroraGuard™ F020MF1002

Aurora Material Solutions, LLC - Polypropylene

General Information
Product Description

Impact modified, Mineral Reinforced, Flame-Retardant PP

Polypropylene, UL94 V-0 Rated

Formerly known as EnDure F020MF1002

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Mineral, 20% 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

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.30		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3000	psi	ASTM D638
Flexural Modulus	325000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.2	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	240	°F	ASTM D648
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-0		UL 94

Processing Information

Injection	Nominal Value	Unit
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

