

AuroraGuard™ F520TF0801U

Aurora Material Solutions, LLC - Polypropylene

General Information
Product Description

20% Talc Reinforced, Flame Retardant Grade PP, UV Stabilized

Formerly known as EnDure F520TF0801U

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Additive	• Flame Retardant	• UV Stabilizer	
Features	• Flame Retardant	• UV Stabilized	
Uses	• Automotive Applications	• Lawn & Garden Equipment	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.35		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	9.0E-3 to 0.013	in/in	ASTM D955
Mechanical			
Tensile Strength (Yield)	3200	psi	ASTM D638
Tensile Strength (Break)	7200	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	8000	psi	ASTM D790
Impact			
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256
Flammability			
Flame Rating (0.13 in)	5VA		UL 94

Processing Information

	Nominal Value	Unit
Extrusion		
Melt Temperature	350 to 450	°F

