

**AuroraGuard™ F01010U**

Aurora Material Solutions, LLC - Polypropylene Copolymer

**General Information**
**Product Description**

Polypropylene Copolymer, Flame Retardant, UV Stabilized

Formerly known as EnDure F01010U

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant	• UV Stabilizer	
Features	• Copolymer	• Flame Retardant	• UV Stabilized
Uses	• Automotive Applications	• Electrical/Electronic Applications	
Appearance	• Black	• Colors Available	• Natural Color
Processing Method	• Injection Molding	• Profile Extrusion	

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.02		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	0.016 to 0.022	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	2500	psi	ASTM D638
Flexural Modulus	145000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	10	ft·lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	125	°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

**Notes**
<sup>1</sup> Typical properties: these are not to be construed as specifications.
