

**AuroraGuard™ 20TF0201**

Aurora Material Solutions, LLC - *Polypropylene Homopolymer*
**General Information**
**Product Description**

20% Talc Reinforced Fractional Melt Homopolymer PP, UV Stabilized

Formerly known as SimPoly 20TF0102

**General**

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Talc, 20% Filler by Weight		
Additive	• UV Stabilizer		
Features	• Homopolymer	• UV Stabilized	
Uses	• Automotive Applications	• Lawn & Garden Equipment	
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	1.04		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Molding Shrinkage - Flow (0.126 in)	9.0E-3 to 0.013	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	4000	psi	ASTM D638
Tensile Strength (Break)	7830	psi	ASTM D638
Tensile Elongation (Break)	5.0	%	ASTM D638
Flexural Modulus	400000	psi	ASTM D790
Flexural Strength	8000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.0	ft·lb/in	ASTM D256

**Processing Information**

Injection	Nominal Value	Unit
Rear Temperature	370 to 420	°F
Middle Temperature	390 to 450	°F
Front Temperature	390 to 450	°F
Nozzle Temperature	380 to 440	°F
Processing (Melt) Temp	400 to 500	°F
Mold Temperature	65 to 130	°F

