

AuroraGuard™ PP25TF2501

Aurora Material Solutions, LLC - Polypropylene Copolymer

General Information

Product Description

25% Talc Reinforced Copolymer PP with up to 100% sustainable feedstock

Formerly known as Evolve PP25TF2501

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Filler / Reinforcement	• Talc, 25% Filler by Weight		
Features	• Copolymer	• Renewable Resource Content	
Uses	• Automotive Applications	• Lawn & Garden Equipment	• Material Handling
Appearance	• Black		
Processing Method	• Injection Molding	• Profile Extrusion	

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.09		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15	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)	3200	psi	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	270	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	1.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	220	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed)	130	°F	ASTM D648

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

Notes

¹ Typical properties: these are not to be construed as specifications.

