

AuroraGuard™ PP2002

Aurora Material Solutions, LLC - Polypropylene

General Information
Product Description

Recycled PP

Formerly known as Evolve PP2002

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Recycled Content	• Yes		
Uses	• Automotive Applications	• Lawn & Garden Equipment	• Material Handling
Appearance	• Natural Color		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.900		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3200	psi	ASTM D638
Tensile Elongation (Break)	> 20	%	ASTM D638
Flexural Modulus	170000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F)	2.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	185	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
Suggested Max Moisture	0.020	%
Suggested Shot Size	25 to 75	%
Rear Temperature	350 to 400	°F
Middle Temperature	360 to 410	°F
Front Temperature	370 to 420	°F
Nozzle Temperature	370 to 420	°F
Processing (Melt) Temp	380 to 420	°F
Mold Temperature	90 to 160	°F
Injection Rate	Slow-Moderate	
Back Pressure	25.0 to 100	psi
Vent Depth	1.0E-3 to 1.5E-3	in

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