

AuroraGuard™ PP2506

Aurora Material Solutions, LLC - Polypropylene + Polyethylene

General Information

Product Description

Repurposed Copolymer Polypropylene PP/PE. 100% Post Industrial Content

Formerly known as Evolve PP2506

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Recycled Content	• Post-Industrial (PIR)/Pre-Consumer, 100%
Features	• Copolymer
Uses	• Appliances • Automotive Applications • Battery Cases
Appearance	• Black
Processing Method	• Injection Molding

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.950		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	25	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (73°F)	2500	psi	ASTM D638
Tensile Elongation (Break)	> 20	%	ASTM D638
Flexural Modulus	149000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.126 in)	6.0	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	180	°F	ASTM D648

Processing Information

Injection	Nominal Value	Unit
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.

