

AuroraGuard™ GTPO5000-SN4

Aurora Material Solutions, LLC - *Compounded Polypropylene*

General Information

Product Description

A UL 94 V 0 rated, Acid Resistant, Polypropylene based compound, the 5000SN series are specially engineered, low bloom, flame retardant, designed with halogen based technology.

5000SN series of compounds exhibit a balance of high flexural modulus and good impact. They are designed for extrusion and molding applications.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Additive	• Flame Retardant		
Features	• Acid Resistant	• Good Impact Resistance	
	• Flame Retardant	• Low Blooming	
Uses	• Cable Jacketing	• Insulation	• Wire & Cable Applications
Appearance	• Colors Available		
Processing Method	• Extrusion		

Properties ¹

	Nominal Value	Unit	Test Method
Physical			
Density / Specific Gravity	1.27		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	16	g/10 min	ASTM D1238
Mechanical			
Tensile Strength (Yield)	4000	psi	ASTM D638
Tensile Elongation (Break)	25	%	ASTM D638
Flexural Modulus - Tangent	450000	psi	ASTM D790B
Impact			
Notched Izod Impact	0.75	ft·lb/in	ASTM D256
Drop Impact Resistance	0.306	in·lb/mil	ASTM D5420
Thermal			
Deflection Temperature Under Load (66 psi, Unannealed, 0.125 in)	260	°F	ASTM D648
Deflection Temperature Under Load (264 psi, Unannealed, 0.125 in)	153	°F	ASTM D648
Flammability			
Flame Rating (0.13 in)	V-0		UL 94
Oxygen Index	25	%	ASTM D2863

Processing Information

	Nominal Value	Unit
Extrusion		
Melt Temperature	380 to 410	°F

