

AuroraTec™ AP4006AA

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A high flow rigid PVC pellet compound designed for injection molding, cap stock, and sheet extrusion with high impact properties.

Note: Additional custom color matching is available upon request.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Rigidity	• High Flow	• High Impact Resistance
Uses	• Capstock	• Sheet	
Appearance	• Colors Available		
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44		ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	380000	psi	ASTM D638
Tensile Strength	6320	psi	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	21	ft-lb/in	ASTM D256
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	158	°F	ASTM D648
RTI Elec			UL 746B
0.030 in	122	°F	
0.04 in	122	°F	
0.12 in	122	°F	
RTI Imp			UL 746B
0.030 in	122	°F	
0.04 in	122	°F	
0.12 in	122	°F	
RTI Str			UL 746B
0.030 in	122	°F	
0.04 in	122	°F	
0.12 in	122	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in, All Colors		V-0	
0.04 in, All Colors		V-0	
0.12 in, All Colors	•	V-0	
	•	5VA	
Flammability Classification			IEC 60695-11-10, -20
0.030 in, All Colors		V-0	
0.04 in, All Colors		V-0	
0.12 in, All Colors	•	V-0	
	•	5VA	

