

AuroraTec™ AP5186

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A rigid PVC pellet compound designed for extrusion of conduit, pipe & tubing applications.

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 Impact Resistance		
Uses	• Conduit	• Corrugated Pipe	• Tubing
Appearance	• Colors Available	• White	
Forms	• Pellets		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.40		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	369000	psi	ASTM D638
Tensile Strength	7000	psi	ASTM D638
Flexural Modulus	402000	psi	ASTM D790
Flexural Strength	11800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.0	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)	174	°F	ASTM D648
CLTE - Flow	3.5E-5	in/in/°F	ASTM D696
Additional Information	Nominal Value	Unit	Test Method
Cell Classification	12444		ASTM D1784

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