

AuroraTec™ AP5104BBK1010

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

A general-purpose rigid PVC pellet, extrusion compound designed for applications requiring good melt strength, excellent color dispersion, and excellent physical properties.

AP5104BBK1010 has UL listings for V-0 and 5VA along with NSF Standard 51 listings for some colors.

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Europe • North America • Asia Pacific • Latin America
Features	• Dispersible • Good Melt Strength • General Purpose • Good Rigidity
Uses	• General Purpose
Agency Ratings	• NSF STD-51
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.41		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	450000	psi	ASTM D638
Tensile Strength	6310	psi	ASTM D638
Flexural Modulus	467000	psi	ASTM D790
Flexural Strength	11100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	15	ft·lb/in	ASTM D256
Dart Impact ²			ASTM D4226
Procedure A	2	in·lb/mil	
Procedure B	> 4	in·lb/mil	
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)	167	°F	ASTM D648
CLTE - Flow	3.2E-5	in/in/°F	ASTM D696
Flammability	Nominal Value	Unit	Test Method
Flame Rating	• V-0 • 5VA		UL 94

Notes

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

² Min Failure

