

AuroraTec™ AP5120CBK2880

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information
Product Description

A high rate, Rigid PVC pellet, extrusion compound for interior applications. The AP5120CBK2880 contains a UV stabilizer for improved interior light fastness. AP5120CBK2880 has a UL-94 V-0 rating.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active 		
Availability	<ul style="list-style-type: none"> Africa & Middle East Asia Pacific 	<ul style="list-style-type: none"> Europe Latin America 	<ul style="list-style-type: none"> North America
Additive	<ul style="list-style-type: none"> UV Stabilizer 		
Features	<ul style="list-style-type: none"> Good Rigidity 	<ul style="list-style-type: none"> High Flow 	<ul style="list-style-type: none"> UV Stabilized
Uses	<ul style="list-style-type: none"> Agricultural Applications Appliances Automotive Applications Consumer Applications Electrical/Electronic Applications 	<ul style="list-style-type: none"> Fencing & Decking Film Medical/Healthcare Applications Outdoor Applications Rail Applications 	<ul style="list-style-type: none"> Sheet Spas Windows & Doors
Forms	<ul style="list-style-type: none"> Pellets 		
Processing Method	<ul style="list-style-type: none"> Extrusion 		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.46		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	450000	psi	ASTM D638
Tensile Strength	6660	psi	ASTM D638
Flexural Modulus	417000	psi	ASTM D790
Flexural Strength	10800	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	17	ft·lb/in	ASTM D256
Dart Impact ²			ASTM D4226
Procedure A	1	in·lb/mil	
Procedure B	> 2	in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	78		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	158	°F	ASTM D648
CLTE - Flow	2.8E-5	in/in/°F	ASTM D696

Notes

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

² Min Failure

