

AuroraTec™ RR 2803 C

Aurora Material Solutions, LLC - Polyvinyl Chloride

General Information

Product Description

Rigid extrusion grade , high impact PVC powder vinyl compound suitable as a substrate material as well as for interior applications.

Note: Fence substrate for exterior use when protected with a weatherable capping material.

Made in Canada

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East	• Europe	• North America
	• Asia Pacific	• Latin America	
Features	• Good Rigidity	• Good Weather Resistance	• High Impact Resistance
Uses	• Fencing & Decking	• Outdoor Applications	
Forms	• Pellets		
Processing Method	• Extrusion		

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	380000	psi	ASTM D638
Tensile Strength	6090	psi	ASTM D638
Flexural Modulus	430000	psi	ASTM D790
Flexural Strength	11500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (73°F, 0.126 in)	5.1	ft·lb/in	ASTM D256
Dart Impact ²			ASTM D5420
Procedure A	1	in·lb/mil	
Procedure B	4	in·lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	79		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (264 psi, Annealed)	162	°F	ASTM D648
CLTE - Flow	3.6E-5	in/in/°F	ASTM D696

Notes

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

² Min Failure

