

AuroraTec™ RR5122 NAT

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 sizing, superior impact and good physical 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	• General Purpose • Good Rigidity • Good Melt Strength • High Impact Resistance
Uses	• General Purpose
Appearance	• Colors Available
Forms	• Pellets
Processing Method	• Extrusion

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity ²	1.46		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	415000	psi	ASTM D638
Tensile Strength	6090	psi	ASTM D638
Flexural Modulus	425000	psi	ASTM D790
Flexural Strength	10000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	11	ft·lb/in	ASTM D256
Dart Impact ³			ASTM D4226
Procedure A	1	in·lb/mil	
Procedure B	> 3	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)	166	°F	ASTM D648
CLTE - Flow	3.8E-5	in/in/°F	ASTM D696

Notes

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

² natural

³ Min Failure

