AuroraTec™ AP2257BWH1100

Aurora Material Solutions, LLC - *Polyvinyl Chloride*

General Information

Product Description

A high rate, high impact PVC powder, extrusion compound, for interior applications as well as substrates.

Note: Additional custom color matching is available upon request.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• High Flow	• High Impact Resistance	
Uses	• Agricultural Applications • Appliances • Automotive Applications • Consumer Applications • Electrical/Electronic Applications	• Fencing & Decking • Film • Medical/Healthcare Applications • Outdoor Applications • Rail Applications	• Sheet • Spas • Windows & Doors
Appearance	• Colors Available		
Forms	• Powder		
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	360000	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			ASTM D256
32°F	1.9	ft·lb/in	
73°F	5.1	ft·lb/in	
Dart Impact [2]			ASTM D4226
Procedure A	1	in·lb/mil	
Procedure B	4	in·lb/mil	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	80		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Annealed)	161	°F	ASTM D648
CLTE - Flow	3.6E-5	in/in/°F	ASTM D696
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating (0.06 in)	HB		UL 94
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Chemical Resistance			
Flexural Strength Change	< 25	%	ASTM D790
Weight Change in H2S04 [3]	5.0	%	
Weight Change in IRM903 [4]	< 1.0	%	

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