

# Aurora PVC AP2257 Series

Polyvinyl Chloride  
Aurora Plastics, Inc.

Message:

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

General Information			
Features	High Impact Resistance		
Forms	Powder		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.44 to 1.48	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 22°C)	77 to 83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (22°C)	2480	MPa	ASTM D638
Tensile Strength (Yield, 22°C)	42.1	MPa	ASTM D638
Flexural Modulus (22°C)	2960	MPa	ASTM D790
Flexural Strength (22°C)	79.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
0°C	100	J/m	
23°C	270	J/m	
Drop Impact Resistance			ASTM D4226
22°C, Extruded at 380 to 390° F melt temperature <sup>1</sup>	66.7	J/cm	
22°C, Extruded at 380 to 390° F melt temperature <sup>2</sup>	178	J/cm	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	71.7	°C	ASTM D648
CLTE - Flow (22°C)	6.5E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating	HB		ASTM D635
Additional Information	Nominal Value	Unit	Test Method
Chemical Resistance			
Flexural Strength Change <sup>3</sup>	< 25	%	ASTM D790
Weight change in IRM-903	< 1.0	%	ASTM D1784
Weight change in sulfuric acid	< 5.0	%	ASTM D1784
NOTE			
1.	Procedure A		

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|----|-------------|
| 2. | Procedure B |
| 3. | Method B    |

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