

**AuroraTec™ AP1285T**

Aurora Material Solutions, LLC - Polyvinyl Chloride

**General Information**
**Product Description**

A high rate, high gloss, PVC powder extrusion compound for sheet extrusion applications requiring excellent weathering performance and superior impact.

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	• Good Impact Resistance	• High Flow	
	• Good Weather Resistance	• High Gloss	
Uses	• Sheet		
Appearance	• Colors Available		
Forms	• Powder		
Processing Method	• Extrusion	• Sheet Extrusion	

**Properties <sup>1</sup>**

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity			ASTM D792
-- <sup>2</sup>	1.46		
-- <sup>3</sup>	1.44		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	421000	psi	ASTM D638
Tensile Strength	6440	psi	ASTM D638
Flexural Modulus	446000	psi	ASTM D790
Flexural Strength	11400	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	18	ft·lb/in	ASTM D256
Dart Impact <sup>4</sup>			ASTM D4226
Procedure A	2	in·lb/mil	
Procedure B	> 4	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	3.4E-5	in/in/°F	ASTM D696

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> WH1080

<sup>3</sup> BG1036

<sup>4</sup> Min Failure

