

DESCRIPTION/FEATURES:	Exterior, High Impact, CSA A440
MARKET:	Windows, Doors, Decking
PROCESSING METHOD:	Extrusion-Twin Screw, Extrusion-Profile

	TEST METHOD	VALUE	UNITS
Physical Properties			
Specific Gravity	ASTM D792	1.46	
Product Form		Powder	
Durometer Hardness D, Instantaneous	ASTM D2240	80	
Mechanical Properties			
Tensile Strength Type 1 - Rigids, Yield, 2 in/min	ASTM D638	6,650 45.9	psi MPa
Tensile Modulus Type 1 - Rigids, 2 in/min	ASTM D638	420,000 2,896	psi MPa
Flexural Strength	ASTM D790	13,000 90	psi MPa
Flexural Modulus	ASTM D790	430,000 2,965	psi MPa
Izod Notched - Method A, Against Grain - Comp. Molded, 0.125 in bars, 73°F(23°C)	ASTM D256	19.6 1,046	ft-lb/in J/m
Drop Dart Impact Resistance Procedure A, 0.125 in Conical Dart, 73°F(23°C)	ASTM D4226	1.1 48.9	in-lb/mil J/cm
Drop Dart Impact Resistance Procedure B, 0.125 in Conical Dart, 73°F(23°C)	ASTM D4226	5.0 222.4	in-lb/mil J/cm
Thermal Properties			
Coeff of Linear Thermal Expansion	ASTM D696	3.4E-5 6.0E-5	in/in/°F cm/cm/°C
HDT Unannealed, 264 psi, 0.125 in bars	ASTM D648	165 74	°F °C
Processing Information			
Melt Temperature Range Extrusion		380 to 400 193 to 204	°F °C
Compliance Information			
Cell Classification D4216	ASTM D4216	14144-43301-01	
Cell Classification D1784	ASTM D1784	16354	
AAMA 303	ASTM D4726	Pass	

Originator: 52

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