



Weatherguard® WG 1051HG

Teknor Apex Company - Rigid Polyvinyl Chloride

General Information

General

Material Status	• Commercial: Active
Availability	• Africa & Middle East • Latin America • Asia Pacific • North America
Uses	• Capstock
Regulatory Statement	• Due to the frequent updates to regulations, specifically, California Proposition 65, EU REACH SVHCs, and RoHS, please contact Teknor Apex for the most up to date compliance statement, or refer to section 15 of the product SDS.
Forms	• Pellets
Processing Method	• Extrusion

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.44		ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	433000	psi	ASTM D638
Tensile Strength ²			ASTM D638
Yield, 73°F, 0.125 in, Compression Molded	6220	psi	
Tensile Elongation (Break)	250	%	ASTM D638
Flexural Modulus	422000	psi	ASTM D790
Flexural Strength (Break)	10100	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256A
73°F, 0.125 in, Compression Molded	8.8	ft-lb/in	
Drop Impact Resistance			ASTM D4226
73°F, Normalized Mean Brittle Failure Energy ^{3, 4}	4.99	in-lb/mil	
73°F, 0.0750 in ^{5, 6}	1.03	in-lb/mil	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 10 sec, Hand Held)	80		ASTM D2240
Thermal	Nominal Value	Unit	
Melting Temperature	375 to 400	°F	

Additional Information

Data Sheet Applies to Color(s) Listed Below:

Off White (1110322)

10/20-Imo

Notes

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

² Type I

³ Procedure B

⁴ C.125 TUP 0.075 Compression molded Specimens

⁵ Procedure A

⁶ C.125 TUP. 0.075" Compression Molded Specimens