

General Information

Product Description

Georgia Gulf 7768 is a general purpose rigid PVC profile extrusion compound designed for applications requiring impact strength and toughness, flame retardance, colorability, certification by NSF standards 51 and 61, dimensional stability, chemical resistance, and UV color stability.

General

Material Status	<ul style="list-style-type: none"> Commercial: Active
Availability	<ul style="list-style-type: none"> North America
Test Standards Available	<ul style="list-style-type: none"> ASTM
Features	<ul style="list-style-type: none"> Chemical Resistance, Good Colorability, Good Dimensional Stability, Good Flame Retardant Impact Resistance, Good Toughness, Good UV Resistance, Good
Forms	<ul style="list-style-type: none"> Pellets
Processing Method	<ul style="list-style-type: none"> Extrusion

ASTM and ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density -Specific Gravity	1.39	sp gr	23/23°C ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	467000	psi	ASTM D638
Tensile Strength @ Yield	6770	psi	ASTM D638
Flexural Modulus	361000	psi	ASTM D790
Flexural Strength	10500	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (0.125 in) (0.250 in)	23.3	ft-lb/in	ASTM D256
	16.4	ft-lb/in	
Tensile Impact Strength	75.0	ft-lb/in ²	ASTM D1822
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	93		ASTM D785
Durometer Hardness (D Scale)	80		ASTM D2240
Thermal	Nominal Value	Unit	Test Method
DTUL @264psi - Unannealed	142	°F	ASTM D648
DTUL @264psi - Annealed	158	°F	ASTM D648
CLTE, Flow	0.000036	in/in/°F	ASTM D696

Notes

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

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