

TECHNICAL DATA

RIGID EXTRUSION COMPOUND

GEON® 8700A

All tests run at 23°C (73°F) except where indicated.

	ASTM Test Method		
Cell Classification	D-1784-69	16344	
Specific Gravity \pm .02	D-792	1.39	
Hardness Rockwell R	D-785	111	✓
Durometer D \pm 3	D-2240	82	✓
Compressive Strength, MPa (psi)	D-695	56	(8100)
Flexural Strength, MPa (psi)	D-790	76	(11000)
Tensile Strength, MPa (psi)	D-638	43	(6200) ✓
Flexural Modulus, MPa (psi)	D-790	2415	(350000) ✓
Tensile Modulus, MPa (psi)	D-638	2691	(390000)
Heat Deflection Temperature at 1.82 MPa (264 psi)	D-643		73°C (163°F) ✓
IZOD Impact Strength, notched joules/cm (ft lb/in)	D-256		
@ 23°C (73°F)		9.0	(17.0) ✓
@ 0°C (32°F)		0.9	(1.6)
@ -18°C (0°F)		0.5	(1.1)
Modified IZOD, unnotched joules/cm (ft lbs/in)	D-256		
@ 23°C (73°F)		35.0+	(64.0+)
@ 0°C (32°F)		35.0+	(64.0+)
@ -18°C (0°F)		23.0+	(42.0+)
Coefficient of Linear Expansion 10-5 cm/cm, °C (10-5 in/in, °F)	D-696	6.6	(3.7)
Coefficient of Thermal Conductivity cal, cm/h cm ² , °C (BTU, in/ft ² , hr, °F)	C-177	0.16	(1.1)
Drop Impact Resistance, joules, 1.5 mm (ft lbs, 0.060 in) thick	D-3029	19	(14)
Dielectric Constant	D-150		
60HZ @ 30°C (80°F)		3.9	
1000HZ @ 30°C (86°F)		3.3	

B F GOODRICH CO GEON VINYL DIV
8100 OAK TREE BLVD, CLEVELAND OH 44131

E41877 (N)

154-647



Mill Desg	Coi	Min Thk mm	UL94 Flame Class	Elec	RTI		H W	H A	H V	D 4	D 9	C T
					with Imp	Mech w/o Imp						
Polyvinyl chloride (PVC) designated "Geon," furnished in the form of pellets.												
8700A(b)	All	0.71	94V-0	50	50	50	0	0	4	7	1	
		3.06	94V-0	50	50	50	0	0	4	7	1	
		6.10	94V-0	50	50	50	0	0	4	7	1	
	WT,BK, YL	0.78	94-5V	50	50	50	0	0	4	7	1	
8780,	All	3.18	94-5V	50	50	50	1	2	4	8	0	
8787	All	1.02	94V-0	50	50	50	1	3	4	8	0	
		3.05	94V-0	50	50	50	0	2	4	8	0	
		6.10	94V-0	50	50	50	0	2	4	8	0	
85880,	All	1.02	94V-0	50	50	50	0	2	4	8	0	
85887	All	3.06	94V-0	50	50	50	0	3	4	8	0	

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