

PRODUCT SERIES: 46-16-60
PRODUCT DESCRIPTION: FLAME RESISTANT & LOW SMOKE GENERATION

Properties	Glass Content 34%	
	Units	
Flexural Strength Test Method: ASTM D-790	45,800 psi	
Flexural Modulus Test Method: ASTM D-790	2.32 x 10 ⁶ psi	
Tensile Strength Test Method: ASTM D-638	23,200 psi	
Tensile Modulus Test Method: ASTM D-638	2.42 x 10 ⁶ psi	
Impact Strength-Izod Notched Test Method: ASTM D-256	26.1 ft.-lb./in.	
Moisture Absorption Test Method: ASTM D-570	0.0 – 0.14%	
Coefficient of Linear Thermal Expansion Test Method: ASTM D-696	1.23 x 10 ⁻⁵ in./in. °F	
Dielectric Strength Test Method: ASTM D-149	444 volts/mil	
Arc Resistance Test Method: ASTM D-495	198 seconds	
Inclined Plane Tracking Resistance Test Method: ASTM D-2303	> 1,200 mins. @ 2.5Kv	
Flammability @ 4.07mm Test Method: UL-94	V-0	
Flame Spread (radiant panel index) Test Method: ASTM D-162	14.41	
Smoke Emission - Flaming Mode Test Method: ASTM D-662	9.0 optical density (4 mins)	
Smoke Toxicity Test Method: BSS 7239	HCl 0.0 ppm HBr 0.0 ppm HCN 1.0 ppm H ₂ S 0.0 ppm Vinyl Chloride 0.0 ppm NH ₃ 0.0 ppm	Aldehydes 20.0 ppm NO 10.0 ppm NO ₂ 1.0 ppm CO ₂ 9,000 ppm CO 450 ppm

The information on this sheet is a guide. The stated values reflect an average of several tests conducted on CI's goods. These values were obtained under ideal conditions and may not be replicated in any particular test, part, or application. Because the values achieved in actual parts depend considerably on part design, molding conditions, and testing methods, no guarantee is made or implied regarding values to be obtained in any specific test, part, or application. CI makes no warranty or representation as to the suitability of any of its goods for use in any application. CI relies on customer to conduct its own tests and judge for itself the suitability of CI's goods. 4/2016

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