

Technical Data Sheet

DuroProtect® 1000

GFK-UP

Typical industries

- Ballistics

	Test method	Unit	Guideline value
General properties			
Part Number			1717
Standard Color			Off White
UL Recognition File Number			BP10588
Mechanical properties			
Flexural Strength, lengthwise	ASTM D 638	psi	16,800
Flexural Modulus, lengthwise	ASTM D 638	psi X 10 ⁶	2.7
Compressive Strength	ASTM D 695	psi	70,000
Tensile Modulus	ASTM D 638	psi X 10 ⁶	3.75
IZOD Impact Strength (notched)	ASTM D 256	ft. lb./in.	52
Tensile Strength, lengthwise	ASTM D 638	psi	45,000
Tensile Strength, crosswise	ASTM D 638	psi	40,000
Thermal properties			
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10 ⁻⁵	2.0
Thermal Conductivity	ASTM C 177	BTUIn/HrFt ² °F	2.0
Flame resistance properties			
UL Subject 94	UL 94		V0*
Physical properties			
Water Absorption	ASTM D 570	% by wt.	<1.4
Specific Gravity	ASTM D 792		2.0
Barcol Hardness	ASTM D 2583		50

*Level 1 = HB

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Page 1 / 1 (Dates in DD/MM/YYYY)

