

Technical Data Sheet

DuroProtect® 1000

GFK-UP

Typical characteristics

- UL® Recognized
- Lightweight composite ballistic-resistant sheet, designed to provide protection from bullets and shrapnel

Typical industries

- Ballistics
- Building industry

	Test method	Unit	Guideline value
General properties			
Part Number			1717
Standard Color			Off-White
Mechanical properties			
Compressive Strength	ASTM D 695	psi	70,000
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
Flexural Strength, lengthwise	ASTM D 790	psi	16,800
Thermal properties			
UL Recognition File Number			BP10588
Coefficient of Thermal Expansion	ASTM D 696	(in./in.°C) x 10-5	2.0
Thermal Conductivity	ASTM C 177		2.0
Flame resistance properties			
Level 2	ASTM E 119		Passed
Level 1	UL 94		HB
Level 2 and above	UL 94		V0
Physical properties			
Density	ASTM D 792	lbs/ft ³	125
Water Absorption	ASTM D 570	% by wt.	<1.4
Barcol Hardness	ASTM D 2583		50

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