

Technical Data Sheet

DuroProtect[®] 1000

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

All of the information, suggestions, and recommendations pertaining to the properties and uses of the Röchling Glastic Composites products described herein are based upon tests and data believed to be accurate; however, the final determination regarding the suitability of any material described herein for the use contemplated, the manner of

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