

Typical Properties
EP678
Epoxy syntactic for high quality tooling block

Property	Test Method	Value	SI Units	Value	Imp Units
Colour	-	Blue	-		
Density	BS EN ISO 1183-3:1999	708	kg/m ³	44	lb/ft ³
Shore Hardness	ISO 868:1998	68	°D	68	°D
Flexural Strength	BS EN ISO 178	34.3	MPa	4,970	lb/fin ²
Flexural Modulus	BS EN ISO 178	2,483	MPa	360,100	ibf/in ²
Uniaxial Compressive Strength	BS EN ISO 604	52.0	MPa	7,540	ibffin ²
Hydrostatic Crush Pressure	ASTM D2736	665	bar	9600	lbffin ²
Water Absorption at 20°C (24 hours) at 4,356 psi	DIN 53495	0.33	%	0.3	ok
Buoyancy Loss due to WA at 20°C (24 hours) at 4,356 psi	-	1.34	%	1.3	%
Thermal Conductivity	ASTM 0518	0,290	W/mK	0.167	Btu/ft ² °F
Heat Distortion Temperature	BS 2782	119	°C	246	°F
Glass Transition Temperature	BS ISO 11357-2	125	°C	257	°F
Coefficient of Thermal Expansion	BS 4618 3.1	35.7	x10 ⁻⁶ /°C	10 ⁻⁹	x 10 ⁻¹ /°F

Author	Zaki Akhtar	Issue No	2
Approved By	Sim Chow	Date of Approval/Issue	07 Nov 2007

The Information given within this document is of a general nature only. The values given must be considered as typical and do not constitute a product specification. No liability for loss or damage can be accepted by Trelleborg CRP Ltd. Unless otherwise stated, all properties are quoted at ambient conditions.
All information contained herein is the proprietary information of Trelleborg CRP Ltd and must not be copied or disclosed to any other party without the prior written permission of Trelleborg CRP Ltd. The information contained herein must only be used for the Specific Purpose for which it was provided.