

Typical Properties **TB620PS**

Epoxy syntactic for use as cost effective tooling block

Property	Test Method	Value	SI Units	Value	Imp Units
Colour	-	Blue		-	
Density	BS EN ISO 1183-3:1999	620	kg/m ³	39	lb/ft ³
Depth Rating at 10°C	-	2,000	MSW	6,560	FSW
Maximum Dry Service Temperature	-	100	°C	212	°F
Maximum Wet Service Temperature		100	°C	212	°F
Shore Hardness	ISO 868:1998	69	°D	69	°D
Tensile Strength	BS EN ISO 527	30.0	MPa	4,350	lbf/in ²
Flexural Strength	BS EN ISO 178	39.0	MPa	5,660	lbf/in ²
Flexural Modulus	BS EN ISO 178	1,900	MPa	275,600	ibfin ²
Uniaxial Compressive Strength	BS EN ISO 604	38.0	MPa	5,510	lbf/in ²
Uniaxial Compressive Modulus	BS EN ISO 604	1,200	MPa	174,000	lbf/in ²
Hydrostatic Crush Pressure	ASTM D2736	520	bar	7500	lbf/in ²
Bulk Modulus	ASTM D2926	2,414	MPa	350,10 ⁰	lbf/in ²
Thermal Conductivity	ASTM C518	0.123	W/mK	0.071	Btuffth°F
Heat Distortion Temperature	BS 2782	110	°C	230	°F
Coefficient of Thermal Expansion	BS 4618 3.1	39.0	x le PC	21.7	x le / °F
I od Impact - Unnotched	BS EN ISO 187	4.7	KJ/m ²	2.2	ft-lbf/in ²
Izod Impact - Notched	BS EN ISO 187	0.7	KJ/m ²	0.3	ft-lbf/in ²

Author	James Anderson	Issue No	7
Approved By	David Hamnett	Date of Approval/Issue	04 Jul 2005

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.