TRELLEBORG
ENGINEERED SYSTEMS

ebalta

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'	39	lb/ft'
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'
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	ibfiin^2
Uniaxial Compressive Strength	BS EN ISO 604	38.0	MPa	5,510	lbf/in'
Uniaxial Compressive Modulus	BS EN ISO 604	1,200	MPa	174,000	lbffir?
Hydrostatic Crush Pressure	ASTM D2736	520	bar	7500	lbf/in^2
Bulk Modulus	ASTM D2926	2,414	MPa	350,10^0	lbf/in'
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	f-111/41^2
Izod Impact - Notched	BS EN ISO 187	0.7	KJ/m^2	0.3	ft-lbf/in^2

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Approved By	David Hamnett	Date of Approval/Issue	04 Jul 2005