

THERMAL INSULATION SHEET
TECHNICAL DATA

PROTECTOLITE™ ProTherm 1050 HT HIGH TEMPERATURE is used as thermal insulating board for the Rubber Moulding Industry. **ProTherm 1050HT** can be sanded to tight thickness tolerances, when used as platen insulation.

<u>PROPERTIES:</u>	<u>VALUES:</u>	<u>METHOD:</u>
FLAMMABILITY @0.125"	HB	UL 94
WATER ABSORPTION	0.16 %	ASTM D229
FLEXURAL STRENGTH (AR)	33,000 psi	ASTM D790
FLEXURAL MODULUS	1.8 x 10⁶ psi	ASTM D790
TENSILE STRENGTH	16,500 psi	ASTM D790
COMPRESSIVE STRENGTH		
@ 75°F/24°C	52,000 psi	ASTM D695
@ 302°F/150°C	26,300 psi	
@ 392°F/200°C	20,300 psi	
@ 424°F/218°C	18,200 psi	
@ 550°F/288°C	15,400 psi	
SHEAR STRENGTH	18,000 psi	ASTM D732
ARC RESISTANCE	180	ASTM D495
DIELECTRIC STRENGTH Perp.	400 vpm	ASTM D149
Parallel	500 vpm	
IZOD IMPACT, notched	11 ft-lb./in	ASTM D256
SPECIFIC GRAVITY	1.82	ASTM 792
STANDARD COLOUR	NATURAL	

The property values are based upon tests believed to be reliable, performed on laboratory test plaques. However, no liability is assumed resulting from its use. We suggest that the user perform tests in order to establish the material suitable for the specific application.

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