

CEL Components S.r.I.
Via Ca' dell'Orbo Sud 4 - 40055 Castenaso (Bologna) Italy
Tel. +39 051 782505 Fax +39 051 782477
www.cel.eu info@cel.eu
P.IVA 04102600378 CCIAA BO 0339628
ALUMINIUM AND THERMOPLASTIC HONEYCOMBS, LAMINATES, SANDWICH PANELS

ENG

Polyetherimide honeycomb core

This polymer differs from other polymers because of its better high temperature-resistance and mechanical features.

It is employed, for example, to produce stealth panels for military use, for hi-tech panels and as core material for snow boards.

Honeycomb core's properties							
Туре	4,0-48C	4,0-75C	4,0-100C	4,0-120C	4,0-144C		
Cell size mm	4,2						
Colour	amber						
Density kg/m³	48	75	100	120	144		
Compressive strength MPa	0,83	3,00	4,16	6,34	10,67		
Shear strenght MPa	0,63	1,35	1,60	2,10	3,30		
Shear modulus MPa	12,2	25,2	26,4	32	40		
Effective temperature range °C	da -40 a +170						
Flammability	low / self-extinguishing						
Thickness mm	da 5 a 300						
Maximum length mm	3000						
Maximum width mm	1350						

Standard dimensions				
(other dimensions available on requi	est)			

2000 mm



