

GENERAL RAW MATERIAL PROPERTIES: HDPE PRIME - INSPECTION CERTIFICATE 2.2

Excellent impact resistance (even at very low temperatures)

Excellent Stiffness

Excellent resistance towards stress cracking

Excellent visual aspect

Food proof, drinking water proof

High chemical resistance

HDPE PRIME	Test method	Typical Values	Unit	Remark
General properties				
Density	ISO 1183-1	0,954	g/cm ³	
Melt Flow Rate (190°C / 2,16 kg)	ISO 1133	4	g/10min	
Mechanical properties				
Tensile strength (Stress at Yield)	ISO 527	21	MPa	
Strain at yield	ISO 527	11	%	
Tensile modulus of elasticity	ISO 527	1000	MPa	
Notched impact resistance (IZOD)	ISO180/4A	8	kJ/m ²	at 23°C
Shore hardness	ISO 868	61	Scale D	
Thermal properties				
Melting temperature	ISO 11357-3	133	°C	
Thermal capacity	DIN 52612	1900	J / kg K	
Coefficient of linear thermal expansion	DIN 53752	100 - 200	10exp-6/ K	
Heat deflection temperature (0,45 Mpa)	ISO 75/B	65	°C	
Electrical properties				
Surface resistivity	DIN VDE 0303	>10exp14	Ohm	
Flammability				
Fire resistivity	ISO 11925-2	E		

Disclaimer:

This information contains non-exact values, but typically recommended values provided by the raw material supplier. The customer is responsible for the appropriate, safe and legal use while processing and handling all these products. Nothing herein is intended to be, nor shall it constitute a warranty whatsoever.

THE PIONEER IN PLASTIC SANDWICH PANELS

nv **PANELTIM**[®]
 Industrielaan 38 ♦ 8810 Lichtervelde ♦ Belgium
 Tel. +32 (0)51 72 67 60 ♦ Fax +32 (0)51 72 49 43
 paneltim@paneltim.com ♦ WWW.PANELTIM.COM

