




TECHNICAL DATA SHEET

PANELTIM® Lightweight panel 50mm 50/100 in PP Beige RAL 7032 UVR

Material	PP Copo Prime	Product code	PPP51IUXL03KGR32UVR	
Colour	Beige RAL 7032			
Standard dimensions	Typical value	Unit	Typical tolerance	
Length x width	2608 x 1003	mm	l +/- 10 mm x b +/- 5 mm	
Thickness	50	mm	+/- 1 mm	
Weight	Typical value	Unit	Typical tolerance	Remark
	9,8	kg / m ²	+/- 4%	at 23 °C
Fire Retardant	Class		Test method	
Fire class	E		ISO 11925-2	
Available wall thicknesses	Typical value	Unit	Typical tolerance	
	3,2	mm	+/- 5%	
UV and Weather Resistance	Typical value	Unit	Climate classification	Method
UV resistant panels	10	year	Cfa, Cfb/Cfc, Dfa/Dwa D, E, H	ASTM D4329
<i>UV resistance has no influence on panel surface expansion.</i>				
Food contact			European Regulation	
Food and drinking water proof			EC 1935/2004	
Mechanical properties	Typical value	Unit	Test method	Remark
Typical value for homogeneous load				
Panel for 1% deformation span 1000 mm	4600	N/m ²		
Panel for 1% deformation span 1200 mm	2875	N/m ²		
Average impact resistance	>= 1,5	m	ASTM D 1709	at 23 °C
Processing			Test method	
Product is easy to weld: hot air, extrusion and mirror but welding			In house experience, SKZ	
<i>See the technical welding guidelines for correct processing.</i>				
Thermal properties	Typical value	Unit	Test method	
Temperature range for constant stress or pressure	-20 °C + 50 °C	°C		
Temperature range without stress or pressure	-20 °C + 80 °C	°C		
<i>Thermal shocks are not allowed, gradual heating of max. 1 °C / minute allowed.</i>				
<i>The construction should be designed for absorbing the load in cold and hot circumstances.</i>				
Thermal conductivity	1,8	W/(m ² x K)	DIN 52612-1	
Lambda value	0,09	W/(m x K)		
R value	0,56	m ² K/W		
Coefficient of linear thermal expansion	1,3	mm / m / 10°C		
Sound insulating properties	Typical value	Unit		
Sound abatement index (RW)	26	db		
Electrical properties	Typical value	Unit	Test method	
Typical surface resistivity	> 10exp14	Ohm / m	IEC 60093	
Recycling	100% recyclable			

Disclaimer:

This information contains interesting guidelines and are only typical properties of the products. This means these values can deviate. It is the customer's responsibility to inspect and test our product(s) in order to establish the suitability of the product(s) for its and its customers particular purposes. The customer is responsible for the appropriate, safe and legal use while processing and handling all product(s) purchased from us. Nothing herein is intended to be nor shall it constitute a warranty whatsoever, in particular, warranty of merchantability or suitability for a particular purpose.

THE PIONEER IN PLASTIC SANDWICH PANELS

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