

Technical Data Sheet

General Properties	Test Method, Units & Values
Material	Pressed & Planed High Molecular Weight Polyethylene HMW-PE semi-rigid sheet, Food Safe
Density	(500 – 0.95 g/cm ³) DIN EN ISO 1183-1
Water Absorption	- 50°C (Long Term) / + 80°C (Long Term)
Flammability	HB / UL 94
Service Temp	100°C (Short Term)
Flammability	HB / UL 94

Mechanical Properties	Test Method, Units & Values
Yield Stress	DIN EN ISO 527 / 22 MPa
Notched Impact Strength	DIN EN ISO 527 50%
Water Absorption	- 50°C (Long Term) / + 80°C (Long Term)
Shore Hardness	(500) Scale D - 63

Thermal Properties	Test Method, Units & Values
Melting Temperature	ISO 11357-3 / °C / 135
Thermal Conductivity	DIN 52612-1 / W/(m*K) 0.40
Thermal Capacity	DIN 52612 / kJ/(kg*K) 1.90
Coefficient of Linear Expansion	DIN 53752 / 10-6K-1 / 150-230

Thermal Properties	Test Method, Units & Values
Service Temp Long Term	Average -50°C + 80°C
Service Temp Short Term (Max)	Average 100°C
Heat Deflection	DIN EN ISO 306, Vicat B 67°C

Dimensional Properties	Length, Profile & Dimensions
Sheet / Length	SL200 (2000mm) SL300 (3000mm)
Profile	45° Chamfer / Custom Profiles
Thickness	15mm Standard 20/30/40 Available on Request
Panel Colour	Virgin White
Infill Colours	Blue, Yellow, Green, Red, Grey
Heat Deflection	DIN EN ISO 306, Vicat B 67°C

Fixing Information	Description
Sheet / Length	SL200 (2000mm) SL300 (3000mm)
Profile	45° Chamfer / Custom Profiles
Thickness	15mm Standard 20/30/40 Available on Request
Panel Colour	Virgin White
Infill Colours	Blue, Yellow, Green, Red, Grey