Röchling

Industrial

Technical Data Sheet

Astrawood®

Product characteristics

- Laminated on one side with different, high-quality decorative foils
- Highly impact resistant
- High weather resistance

Product applications

- Door manufacturing
- Construction industry
- Vacuum forming industry

	Test method	Unit	Guideline Value
General properties			
Density	DIN EN ISO 1183-1	g / cm^3	1,41
Water absorption	DIN EN ISO 62	%	0,2
Mechanical properties			
Yield stress	DIN EN ISO 527	MPa	45
Elongation at break	DIN EN ISO 527	%	20
Tensile modulus of elasticity	DIN EN ISO 527	MPa	2500
Notched impact strength	DIN EN ISO 179	kJ / m^2	8
Shore hardness	DIN EN ISO 868	scale D	77
Ball Hardness	ISO 2039	MPa	100
Compressive strength	DIN EN ISO 604	MPa	65
Bending strength	DIN EN ISO 178	MPa	60
Thermal properties			
Thermal conductivity	DIN 52612-1	W / (m * K)	0,16
Vicat softening temperature	DIN EN ISO 306, Vicat B	°C	76
Service Temperature		°C	-10 ... +60
Heat deflection temperature	DIN EN ISO 75	°C	70
Coefficient of linear thermal expansion	DIN EN ISO 11359-2	mm/m K	~ 0,075
Electrical properties			
Dielectric constant	IEC 60250		3,20
Dielectric dissipation factor (10^6 Hz)	IEC 60250		0,02
Volume resistivity	DIN EN 62631-3-1	Ω * cm	>10^{15}
Surface resistivity	DIN EN 62631-3-2	Ω	>10^{13}

The data stated above are average values ascertained by statistical tests on a regular basis. They are in accordance with DIN EN 15860. The data above are provided purely for information and shall not be regarded as binding unless expressly agreed in a contract of sale.

Information on the REACh regulation can be found in our Product Handling Information Sheets, in our REACh information letter as well as in the SCIP database.

Röchling Industrial SE & Co. KG
Mülheimer Str. 26 • D-53840 Troisdorf/Germany • Tel. +49 2241 4820-0 • Fax +49 2241 4820-100
info@roechling-plastics.com • www.roechling.com/industrial
Date: 15/10/2021 Version: 3.0.0

INTEGRATED MANAGEMENT SYSTEM