Röchling

Industrial

Technical Data Sheet

Polystone® PPs CubX®

[homopolymer]

Product characteristics

- Hardly inflammable
- High longitudinal and transversal stiffness
- High chemical resistance

Product applications

- Extraction systems, ducts and housings

	Test method	Unit	Guideline Value
Properties for the full cross-ribbed twin-wall sheet			
Density	DIN EN ISO 1183	g/cm^3	0,315
Area weight		kg/m^2	17,67
Weld strength lattice / covering sheets		MPa	≥ 20
Flatness	DIN EN ISO 15860	mm/m	≤ 3
Flammability	DIN 4102		B1 (*)
Thermal conductivity	ISO 8302 | Tested with: GHP 500-1, Single-sheet process	W/(m*K)	Lambda 0,18
Properties for the covering sheets			
Density, RT	DIN EN ISO 1183	g/cm^3	0,94
Notched impact strength, RT	DIN EN ISO 179 EA1	kJ/m^2	4
Melt flow rate (MFR) 2,16 kg, 230 °C	DIN EN ISO 1133	g/10 min.	0,45
Yield strain, RT	DIN EN ISO 527	%	7,19
Yield stress, RT	DIN EN ISO 527	N/mm^2	32
Thermal properties, along, 150 °C	DIN EN ISO 15013	%	0,33
Thermal properties, transverse, 150 °C	DIN EN ISO 15013	%	0,17
Tensile modulus of elasticity, RT	DIN EN ISO 527	MPa	1300

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.

(*) tested on the covering sheets

Röchling Industrial SE & Co. KG
Röchlingstr. 1 • D-49733 Haren/Germany • Tel. +49 5934 701-0 • Fax +49 5934 701-299
info@roechling-plastics.com • www.roechling.com/industrial
Date: 25/08/2020 Version: 2.0.0

INTEGRATED MANAGEMENT SYSTEM