

TECHNICAL DATA SHEET

QUALITY	PE4500
COLOUR	P2, P4, P6, P10, P12

Description	Standard	Value	Unit
Density	ISO 845	45	Kg/m ³
Tensile Strength	ISO 1798	471	KPa
Elongation	ISO 1798	203	KPa
Compression Strength 10%	ISO 844	77	KPa
Compression Strength 25%	ISO 844	97	KPa
Compression Strength 50%	ISO 844	162	KPa
Compression Set 25% 0.5hr	ISO 1856	6	%
Compression Set 25% 24hr	ISO 1856	2	%
Compression Set 50% 0.5hr	ISO 1856	20	%
Compression Set 50% 24hr	ISO 1856	7	%
Working Temperature Range	Internal	-60/90	°C
Water Absorption Vol(max)	Internal	1	%
Water Vapour Transmission	ISO 1663	1.3	g/m ² (24h)
Thermal Conductivity at 10°C	EN 12667	0.039	W/mK
Thermal Conductivity at 40°C	EN 12667	0.041	W/mK
Shore	ASTM D2240	61	00

FR Standards	FMVSS302 – 45 mm/min	Passed at > 10 mm
Compliant with	RoHS 2, RoHS 3 and REACH	
	Conflict Mineral reporting Template (CMRT)	

Average values taken from the center of the block.

Dimensional Stability 24hr at 70°C < 2%

Dimensional Stability 24hr at 90°C < 5%

Additional data available upon request.

The values provided in this product information represent data gathered from random samples of our production and represent typical data. These are given to the best of our knowledge and should be considered as guidance for selecting a suitable grade for a given application.

This information is presented to the best of our knowledge. Data represents typical values and should be considered as a guideline only.

Where this material is used in conjunction with other goods or materials, it is the responsibility of the user to obtain the manufacturers or suppliers of the other goods or materials all technical data and other properties relating to those other goods or materials. No liability can be accepted in respect of the use of goods or materials in conjunction with any other goods or materials.

Last update: 05/05/2021