

Technical Data

Issue date
2025-06-13

Cellular Polyethylene, 33kg/m³

Art: 223-36

<u>Property</u>	<u>Value</u>	<u>Test method</u>
Basis / Compound	Polyethylene (PE)	
Cellular structure	Closed	
Type	Moulded into blocks	
Colour	Grey	
Density	33 ±5 kg/m ³	ISO 845
Hardness (Shore 00)	> 38	Internal
Temperature Range	-80°C - +90°C	ISO 2796
Elongation at break	> 120%	ISO 1798
Tensile strength	> 176 kPa	ISO 1798
Compressive Strength: - Deflection 10% - Deflection 25% - Deflection 50%	> 32 kPa > 48 kPa > 98 kPa	ISO 3386/1
Compression Set: - 0,5 h after discharge - 24 h after discharge	(22 h charge, 23°C, deflection 25 %) ≤ 15 % ≤ 7 %	ISO 1856
Thermal Conductivity: - @ 10°C - @ 40°C	0,036 W/mK 0,039 W/mK	DIN 52612
Dimensional Stability	< 5 %	ISO 2796
Water absorption	≤ 1 % (7 days)	DIN 53428
Fire resistance	< 100 mm/min	FMVSS 302
Flammability	B2 (20-60 mm thickness)	DIN 4102-1
Format	Sheets, 2400x1200 mm	
Thickness	3 - 100 mm	

The information in this data sheet is based upon technical data from our suppliers.
It is the customers responsibility to check if the material is suitable for the application.

