

TECHNICAL DATA SHEET

REFINE® PF2 772

25% hemp fibres reinforced polypropylene compound for automotive parts (e.g. watertight joints)

Properties	Units	Values	Methods
Physical properties			
Melt flow rate (190°C / 5kg)	g/10 min	11	ISO 1133
Density	g/cm ³	1.03	ISO 1183
Mechanical properties			
Tensile modulus	MPa	2650	ISO 527-2
Tensile strength at break	MPa	32	ISO 527-2
Elongation at break	%	2.9	ISO 527-2
Flexural Modulus	MPa	3200	ISO 178
Max. Flexural strength	MPa	50	ISO 178
Izod Impact notched @ 23°C	kJ/m ²	4.2	ISO 180
Izod Impact unnotched @ -30°C	kJ/m ²	4.5	ISO 180
Charpy Impact notched @ 23°C	kJ/m ²	4.5	ISO 179
Thermal properties			
HDT A	°C	47	ISO 75/A
HDT B	°C	85	ISO 75/B

Process: extrusion

Since it is a natural fibres compound based, this product must be processed according recommended extrusion conditions (e.g. low temperature typically <200°C). For more details please contact your sale representative.

Quality: production certified ISO 9001

Typical properties: not to be construed as specifications

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