



# POLYPROPYLENE NATURAL

This material is the lightest of all thermoplastics (density of 0.90 g/cm<sup>2</sup>). At room temperature, it withstands virtually any type of chemical attack and at temperatures around 70°C does not become vulnerable to chemical agents. Easy transformation with all types of tools used for wood and those used for metals. They are plastics with a high level of recycling and with low impact on the environment. To achieve more hardness or abrasion resistance, this material must be reinforced with Glass Fibre (PP-GF) filler.



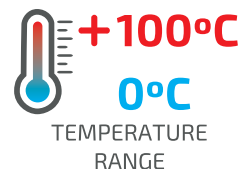
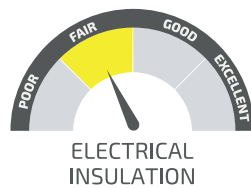
## MAIN CHARACTERISTICS

- Permanent heat stability
- High chemical resistance
- High resistance to corrosion
- Good long-term properties when compared to other similar materials
- High rigidity at high temperatures

## APPLICATIONS

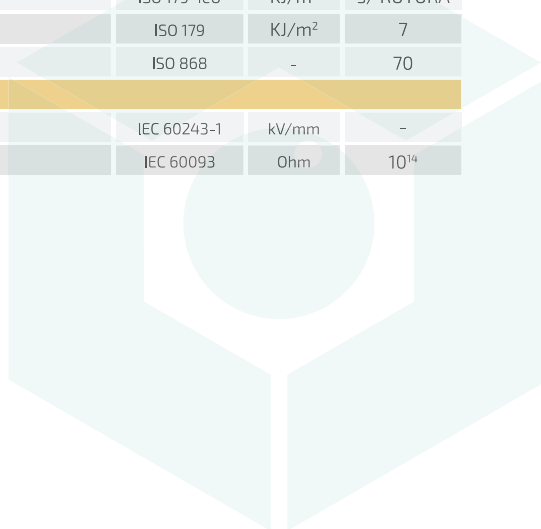
- Chemical facilities
- Pharmaceutical industry and bioindustry
- Agriculture and livestock
- Aquaculture

# POLY LANEMA





PROPERTIES	TEST METHODS	UNITS	PP
COLOR		-	NATURAL
DENSITY	ISO 1183	g/cm <sup>3</sup>	0.90
<b>THERMAL PROPERTIES</b>			
COEFFICIENT OF LINEAR THERMAL EXPANSION	ISO 11359-2	K <sup>-1</sup>	1.6 x 10 <sup>-4</sup>
MAXIMUM TEMPERATURE	-	°C	100
MINIMUM TEMPERATURE	-	°C	0
FLAMMABILITY	DIN 4102	-	NORMAL
<b>MECHANICAL PROPERTIES</b>			
TENSILE STRENGTH AT YIELD	ISO 527	MPa	32
ELONGATION AT YIELD	ISO 527	%	8
IMPACT RESISTANCE	ISO 179-1eU	KJ/m <sup>2</sup>	s/ RUTURA
IMPACT RESISTANCE - UNNOTCHED	ISO 179	KJ/m <sup>2</sup>	7
SHORE HARDNESS D	ISO 868	-	70
<b>ELECTRICAL PROPERTIES</b>			
DIELECTRIC STRENGTH	IEC 60243-1	kV/mm	-
SURFACE RESISTIVITY	IEC 60093	Ohm	10 <sup>14</sup>



POLY

PROPYLENE