



PP-C 4120x2010x30 mm grey

Article No.	P2201644
Category	PP

Technical Properties

Density & Weight

Property	Value	Unit	Test standard
Density	0.9	g/cm ³	DIN EN ISO 1183-1

Moisture Absorption

Property	Value	Unit	Test standard
Water absorption to saturation	0.1	%	DIN EN ISO 62
Water Absorption to Saturation	0.1	%	DIN EN ISO 62

Tensile Properties

Property	Value	Unit	Test standard
Tensile Strength	24	MPa	DIN EN ISO 527
Modulus of elasticity (tensile)	1241.2	MPa	DIN EN ISO 527
Break Elongation	50	%	DIN EN ISO 527

Impact Resistance

Property	Value	Unit	Test standard
Notched impact strength (Charpy)	4	kJ/m ²	DIN EN ISO 179

Hardness

Property	Value	Unit	Test standard
Hardness Shore D	67.25	° Shore D	DIN EN ISO 868

Property	Value	Unit	Test standard
Ball pressure hardness	50	MPa	DIN EN ISO 2039-1

Temperature Limits

Property	Value	Unit	Test standard
Melting point	164	°C	ISO 11357-3
Maximal operating temperature (short-term)	116	°C	
Maximum Operating Temperature	75	°C	
Minimum temperature	-23	°C	
Vicat softening temperature (VST/B/50)	87	°C	DIN EN ISO 306

Thermal Conductivity

Property	Value	Unit	Test standard
Thermal Conductivity	0.2	W/(m·K)	DIN 52612-1

Thermal Expansion

Property	Value	Unit	Test standard
Thermal Expansion Coefficient	0.0	10 ⁻⁴ /K	DIN 53752

Insulation Properties

Property	Value	Unit	Test standard
Dielectric Strength	40	kV/mm	IEC 60243
Volume Resistivity	10 ¹⁴	Ω·cm	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	2.48	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250

Static spread

Property	Value	Unit	Test standard
Surface Resistivity	10 ¹⁴	Ω	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	600	V	IEC 60112