



PP-H 2000x1000x15 mm natur (protective film)

Artikelnr P2201209
Material PP

Tekniska egenskaper

Density & Weight

Egenskap	Värde	Enhet	Provningsstandard
Density	0.91	g/cm³	ISO 1183

Tensile Properties

Egenskap	Värde	Enhet	Provningsstandard
Tensile Strength	36	MPa	ISO 527
Modulus of elasticity (tensile)	1700	MPa	ISO 527-2
Breakdown Voltage	30	MPa	ISO 527
Break Elongation	8	%	ISO 527-2

Temperature Limits

Egenskap	Värde	Enhet	Provningsstandard
Melting point	161	°C	DIN EN ISO 11357
Maximal operating temperature (short-term)	127	°C	UL746B
Maximum Operating Temperature	80	°C	
Minimum temperature	-7	°C	
Heat deflection temperature (HDT/A)	54	°C	ISO 75
Heat deflection temperature (HDT/B)	90	°C	ISO 75
Vicat softening temperature (VST/B/50)	50	°C	ISO 306

Insulation Properties

Egenskap	Värde	Enhet	Provningsstandard
Dielectric Strength	40	kV/mm	IEC 60243-1
Volume Resistivity	10 ¹⁴	Ω	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	2.4	-	IEC 60250
Dielectric loss factor (1 MHz)	13.4	-	IEC 60250
Dielectric loss factor (100 Hz)	0.0	-	IEC 60250

Fire Classification

Egenskap	Värde	Enhet	Provningsstandard
Flammability Classification (UL 94)	60695		UL 94

Flexural Properties

Egenskap	Värde	Enhet	Provningsstandard
Flexural Strength	37	MPa	DIN EN ISO 527-2

Thermal Conductivity

Egenskap	Värde	Enhet	Provningsstandard
Thermal Conductivity	0.27	W/(m·K)	ISO 22007-4

Static spread

Egenskap	Värde	Enhet	Provningsstandard
Surface Resistivity	10 ¹³	Ω	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

Moisture Absorption

Egenskap	Värde	Enhet	Provningsstandard
Water absorption to saturation	0.2	%	ISO 62
Water Absorption to Saturation	0.2	%	ISO 62

Impact Resistance

Egenskap	Värde	Enhet	Provningsstandard
Notched impact strength (Charpy)	9	kJ/m²	ISO 179/1eA
Impact Resistance (Charpy)	7.7	kJ/m²	ISO 179

Thermal Expansion

Egenskap	Värde	Enhet	Provningsstandard
Thermal Expansion Coefficient	1.6	10 ⁻⁴ /K	ISO 11359-2

Hardness

Egenskap	Värde	Enhet	Provningsstandard
Hardness Shore D	72	° Shore D	ISO 868
Ball pressure hardness	110	MPa	ISO 2039

Godkännanden

- EU 10/2011
- FDA
- REACH
- RoHS