



PP-H AlphaPlus 4000x2000x12 mm grÅ

Artikelnr P2201067
Kategori 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	10¹¹	Ω·m	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

Flexural Properties

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

Static spread

Egenskap	VÄrde	Enhet	Provningsstandard
Surface Resistivity	10 ¹¹ Å³	Î©	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

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

Egenskap	VÄrde	Enhet	Provningsstandard
Notched impact strength (Charpy)	9	kJ/mÅ²	ISO 179/1eA
Impact Resistance (Charpy)	7.7	kJ/mÅ²	ISO 179

Egenskap	Värde	Enhet	Provingsstandard
Thermal Expansion Coefficient	1.6	10 ⁻⁶ /K	ISO 11359-2

Egenskap	V�rde	Enhet	Provningsstandard
Hardness Shore D	72	� Shore D	ISO 868
Ball pressure hardness	110	MPa	ISO 2039

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