



ABS 28x1000 mm natural

Artikelnr P1000003
Kategori ABS

Tekniska egenskaper

Density & Weight

Egenskap	VÄrde	Enhet	Provningsstandard
Density	1.05	g/cm ³	ISO 1183

Tensile Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Tensile Strength	37	MPa	ISO 527-2
Modulus of elasticity (tensile)	2600	MPa	ISO 527-2
Breakdown Voltage	36.5	MPa	ISO 527-2
Break Elongation	5	%	ISO 527-2

Temperature Limits

Egenskap	VÄrde	Enhet	Provningsstandard
Melting point	235	Å°C	ISO 3146
Maximal operating temperature (short-term)	93	Å°C	UL746B
Maximum Operating Temperature	82.5	Å°C	
Heat deflection temperature (HDT/A)	80	Å°C	ISO 75-2
Heat deflection temperature (HDT/B)	100	Å°C	ISO 75-2
Vicat softening temperature (VST/B/50)	101	Å°C	ISO 306

Insulation Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Dielectric Strength	18	kV/mm	IEC 60243-1

Egenskap	V�rde	Enhet	Provningsstandard
Volume Resistivity	10 ¹⁴ �m	��-cm	IEC 60093
Dielectric Constant (1 MHz)	2.6	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250

Flexural Properties

Egenskap	V�rde	Enhet	Provningsstandard
Flexural Strength	2500	MPa	ISO 178

Thermal Conductivity

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Conductivity	0.2	W/(m�K)	DIN 52612

Static spread

Egenskap	V�rde	Enhet	Provningsstandard
Surface Resistivity	10 ¹⁴ �m	�	IEC 60093
Comparative Tracking Index (CTI)	600	V	IEC 60112

Moisture Absorption

Egenskap	V�rde	Enhet	Provningsstandard
Water absorption to saturation	0.2	%	ISO 62
Water Absorption to Saturation	1	%	ISO 62

Impact Resistance

Egenskap	V�rde	Enhet	Provningsstandard
Notched impact strength (Charpy)	25	kJ/m� ²	ISO 179/1eA
Impact Resistance (Charpy)	170	kJ/m� ²	ISO 179/1eU

Thermal Expansion

Egenskap	V�rde	Enhet	Provningsstandard
Thermal Expansion Coefficient	0.8	10 ⁻⁶ �/K	DIN 11359

Hardness

Egenskap	V�rde	Enhet	Provningsstandard
Hardness Shore D	70	� Shore D	ISO 868
Rockwell hardness	80	R-scale	DIN EN ISO 2039-2
Ball pressure hardness	98	MPa	ISO 2039-1

Godkännanden

REACH

RoHS

PlastShop.se Å SÅderleden 22 Å 587 31 LinkÅping Tel: +46 13 328 94 00 Å info@plastshop.se Å https://plastshop.se

This document is for informational purposes only. Specifications may change without notice. Generated 2026-03-01