



PVC U 90x5000 mm SDR 51 transparent

Artikelnr P2202307
Kategori PVC

Tekniska egenskaper

Density & Weight

Egenskap	VÄrde	Enhet	Provningsstandard
Density	1.53	g/cm³	ASTM D792

Tensile Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Tensile Strength	48.8	MPa	ASTM D638
Modulus of elasticity (tensile)	2669	MPa	ASTM D638
Breakdown Voltage	40	MPa	ISO 527
Break Elongation	14	%	ISO 527

Temperature Limits

Egenskap	VÄrde	Enhet	Provningsstandard
Melting point	189.2	°C	ASTM D3418
Maximal operating temperature (short-term)	93.3	°C	UL 746B
Maximum Operating Temperature	60	°C	
Minimum temperature	-15	°C	UL 746B
Heat deflection temperature (HDT/A)	106.7	°C	ASTM D648
Vicat softening temperature (VST/B/50)	75	°C	ISO 306

Insulation Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Dielectric Strength	40	kV/mm	IEC 60243-1
Volume Resistivity	10¹¹	Ω·cm	DIN EN 62631-3-1
Dielectric Constant (1 MHz)	3.1	-	IEC 60250
Dielectric Constant (100 Hz)	3.2	-	IEC 60250
Dielectric loss factor (1 MHz)	0.0	-	IEC 60250

Flexural Properties

Egenskap	VÄrde	Enhet	Provningsstandard
Flexural Strength	73.1	MPa	ASTM D790

Thermal Conductivity

Egenskap	VÄrde	Enhet	Provningsstandard
Thermal Conductivity	0.14	W/(m·K)	ISO 22007-4

Static spread

Egenskap	VÄrde	Enhet	Provningsstandard
Surface Resistivity	10 ¹⁰ Å	Î©	DIN EN 62631-3-2
Comparative Tracking Index (CTI)	600	V	IEC 60112

Moisture Absorption

Egenskap	VÄrde	Enhet	Provningsstandard
Water absorption to saturation	0.5	%	ASTM D570
Water Absorption to Saturation	0.5	%	ASTM D570

Impact Resistance

Egenskap	VÄrde	Enhet	Provningsstandard
Notched impact strength (Charpy)	4	kJ/m ²	ISO 179
Impact Resistance (Charpy)	550	kJ/m ²	DIN EN ISO 8256

Thermal Expansion

Egenskap	VÄrde	Enhet	Provningsstandard
Thermal Expansion Coefficient	1.03	10 ⁻⁶ Å/K	ASTM D696

Hardness

Egenskap	VÄrde	Enhet	Provningsstandard
Hardness Shore D	85	Å° Shore D	ASTM D2240
Ball pressure hardness	100	MPa	ISO 2039

Godkännanden

REACH

RoHS

UL 94