

CLEAR PVC

PROPERTY	TEST METHOD	UNIT	VALUE
MECHANICAL			
Density	DIN 53479	g/cm ³	≈1.38
Modulus of Elasticity	DIN 53457	N/mm ²	≥ 3200
Stress at 3.5% strain	DIN 53452	N/mm ²	≥ 80
Tensile Stress at yield	DIN 53455	N/mm ²	≥ 70
Ball pressure Hardness	DIN 53456	N/mm ²	≥ 140
Shore Hardness D	DIN 53505		≈ 130
Impact Strength	DIN 53453	KJ/m ²	no rupture at 23°C
THERMAL			
Vicat Softening Temp	DIN EN ISO 306	°C	≥ 67
Thermal Conductivity At 20 °C	DIN 52616	W/(m-K)	-
Coefficient Of Linear Expansion 20 to 60 °C	DIN 53752	K ⁻¹	≈ 70 x 10 ⁻⁶
ELECTRICAL			
Volume Resistivity VDE0303-30	DIN IEC 60093	Ω.cm	>10 ¹⁵
Surface Resistivity VDE0303-30	DIN IEC 60093	Ω	>10 ¹³
OTHER PROPERTIES			
Water Absorbion	DIN 53495 method 3	mg/cm ³	≤2
Temperature Range	classification	°C	-10 to 55
Fire behaviour	DIN 4102(D)	1 to 4mm	B1

Technical Data Sheet



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