

PLASTIC SHEET GREY PVC

PROPERTY	TEST METHOD	UNIT	VALUE
MECHANICAL			
Density	DIN 53479	g/cm ³	≈1.47
Modulus of Elasticity	DIN 53457	N/mm ²	≥3100
Stress at 3.5% strain	DIN 53452	N/mm ²	≥80
Tensile Stress at yield	DIN 53455	N/mm ²	≥55
Ball pressure Hardness	DIN 53456	n/mm ²	≈120
Shore Hardness D	DIN 53505		≈85
Impact Strength	DIN 53453	KJ/m ²	No rupture at 0°C
THERMAL			
Vicat Softening temp	DIN EN ISO 306	°C	≥80
Thermal Conductivity at 20°C	DIN 52616	W/(m-K)	≈0.16
Coefficient of Linear Expansion 20 to 60°C	DIN 53752	K ⁻¹	≈70x10 ⁻⁶
Electrical			
Volume Resistivity VDE0303-30	DIN IEC 60093	Ω.cm	>10 ¹⁵
Surface Resistivity CDE03030-30	DIN IEC 60093	Ω	>10 ¹³
OTHER PROPERTIES			
Water Absorbtion	DIN 53495 method 3	Mg/cm ³	≤3
Temperature Range	Classification	°C	-15 to 60
Fire behaviour	DIN 4102(D)	1 to 4mm	B1

Technical Data Sheet

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