

Material Data Sheet

Trade name	Rigid PVC		
DIN EN ISO 1043 designation	U-PVC		
Colour	Grey		
<i>Properties</i>	<i>Unit</i>	<i>Test Method</i>	<i>Value</i>
General Properties			
Density	g/cm ³	DIN 53479	1.42
Hardness	Shore D	DIN 53505	82
Mechanical Properties			
Bending E-Modulus	N/mm ²	DIN 53457	3000
Yield Stress	N/mm ²	DIN 53455	58
Elongation at tear	%	DIN 53455	15
Impact Strength	kJ/m ²	DIN 53453	no break
Notched Impact Strength	kJ/m ²	DIN 53453	4
Indentation Hardness (H 385/30)	N/mm ²	DIN 53456	130
Thermal Properties			
Service temperature in air	C		60
Linear thermal expansion	K-1	DIN 53752	0.8 x 10 ⁻⁴
Thermal conductivity	W/mk	DIN52612	0.159
Electrical Properties			
Dielectric strength	kV/mm	DIN 53481	39
Dielectric constant		DIN 53483	3
Volume resistivity	ohms cm	VDE0202/3	> 10 ¹⁵