

Product description

Material name, long description	Polyvinylchlorid unplasticized
Material name, short description	PVC-U
Material Code	PVC-U 00.005-01
Color	dark grey, RAL 7011
Density	1.440 g/cm ³

Mechanical characteristics

Notch impact strength	Test value: 4 kJ/m ² Test norm: DIN EN ISO 179
Shore hardness	Test value: 82 Shore D Test norm: DIN EN ISO 868 Test parameter: 15 s
Elongation at yield	Test value: 4 % Test norm: DIN EN ISO 527
Yield stress	Test value: 58 MPa Test norm: DIN EN ISO 527
Modulus of elasticity and tension	Test value: 3300 MPa Test norm: DIN EN ISO 527

Thermal characteristics

Min. operating temperature	Test value: 0 °C
Max. operating temperature long term	Test value: 60 °C
Coefficient of linear thermal expansion	Test value: 0.8 10 ⁻⁴ K ⁻¹ Test norm: ISO 11359-2
Heat deflection temperature	Test value: 74 °C Test norm: DIN EN ISO 306 Vicat B

Electrical characteristics

Dielectric strength	Test value: 39 kV/mm Test norm: DIN IEC 60243-1
Surface resistivity	Test value: 10 ¹³ Ohm Test norm: DIN IEC 60093

Other characteristics

Flammability	Test value: B1 Test norm: DIN 4102 Test parameter: untill 40 mm
	Test value: V-0 Test norm: UL 94 Test parameter: from 1 mm
	Test value: M1 Test norm: NF P 92-501 Test parameter: 1 - 3 mm
	Test value: class 1 Test norm: BS 476 Test parameter: for 3 mm