



technical specifications

Chemical name Polyethylene (High Density)

Density	ISO 1183		g/cm ³	0,95
Ductile stress	DIN EN ISO 527	50 mm/min	MPa	22
Ductile strain elongation	DIN EN ISO 527	50 mm/min	%	9
Tensile modulus of elasticity	DIN EN ISO 527	1 mm/min	MPa	>=700
Impact resistance	ISO 179	+23°C	KJ/m ²	29
Volumetric resistance	VDE 0303	1 min, 1000 V	Ω cm	> 10 ¹⁵
Surface resistance			Ω	>=10 ¹⁶
Dielectric strength			k V/mm	17
Constante dieléctrica	IEC 60250	1 MHz		2,35
Softening point VICAT	ISO 306		C°	80
Coeficiente de expansión térmica	DIN 53752		K	1,5X10 ⁻⁴
Thermal conductivity at 20°C			W/(m*k)	0,42
Behaviour in case of fir	UL 94			HB
Operating temperature				Until 90°C