

14458-70028 PE HD extruded

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Thickness	5 mm
Colour	black
Density DIN EN ISO 1183-1	0.96 g/cm ³
Moisture absorption DIN EN ISO 62	< 0.01%
Flammability (Thickness 3 / 6 mm) UL 94	HB
Tensile stress at yield DIN EN ISO 527	22 MPa
Ultimate elongation DIN EN ISO 527	>50%
Modulus of elasticity DIN EN ISO 527	800 MPa
Notched impact strength DIN EN ISO 179	10 kJ/m ²
Shore Hardness DIN EN ISO 868	63 Scale D
Melting point ISO 11357-3	+135°C
Thermal conductivity DIN 52612-1	0.40 W/(m*K)
Heat capacity DIN 52612	1.90 kJ/(kg*K)
Coefficient of linear expansion DIN 53752	150-230 10 ⁻⁶ K ⁻¹
Operating temperature temporary	-50 to +80°C +100°C

Hear distortion resistance DIN EN ISO 306, Vicat 8	+67°C
Dielectric constant IEC 60250	2.5
Dielectric dissipation factor (10⁶ Hz) IEC 60250	0.0004
Volume resistance IEC 60093	>10 ¹⁴ Ω*cm
Surface resistance IEC 60093	>10 ¹⁴ Ω
Comparative tracking index IEC 60112	600
Dielectric strength IEC 60243	45 kV/mm
Chemical resistance	good