



Pro Polythene

Eco Friedly



Description

Pro Polythene sheets is made from high quality Low-Density polyethylene which provides optimum in economy and performance. Because of its good weatherability, chemical inertness and toughness. Pro Polythene sheeting has successfully been used for over decade in a wide variety of applications.

Proffesional Plastic Industires offers high-quality polythene rolls in various sizes and thicknesses/gauges for different construction applications. Our polythene rolls are durable, tear resistant, and waterproof, making them an excellent choice for protecting surfaces. Standard sheeting will meet or exceed the following standard technical specifications.

ASTM D4635 Standard Specification for Polyethylene Films made from Polyethylene for General use and Packaging Applications. ASTM D4394 Standard Specification for Polyethylene Sheeting for Construction, Industrial and Agricultural Applications

Applications





Mechanical Properties		Natural
Yield stress	DIN EN ISO 527	23 MPa
Elongation yield	DIN EN ISO 527	9,00%
Tensile modulus of elasticity	DIN EN ISO 527	1100 MPa
Impact strength	DIN EN ISO 179	Without break
Notched impact strength	DIN EN ISO 179	16 KJ/m ²
Ball indentation hardness	DIN EN ISO 2039-1	43 MPa
Shore hardness D (15 s)	DIN EN ISO 868	65
Thermal Properties		Natural
Mean coefficient of liner thermal expansion	ISO 11359-2	1,8 x 10 ⁻⁴ /K
Thermal conductivity	DIN 52612	0,38 W/m*K
Electrical Properties		Natural
Surface resistivity	DIN IEC 60093	≥10 ¹⁴ Ohm
Dielectric strength	DIN IEC 60243-1	50 kV/mm
Typical Properties		Natural
Fire behaviour	DIN 4102 B2	Normal Entflammbar
Density	DIN EN ISO 1183	0.915 g/cm ³ to 0.940 g/cm ³
Temperature range		-37 °C – 200 °C
Weather resistance		✓
Chemical resistance		✓

