

Polystone® PG100 (Pipe Grade)

Product Description

Manufactured by Röchling, the No. 1 manufacturer in the world in Polyolefins, Polystone® PG100 exhibits outstanding properties that deliver tangible benefits to the fabrication industry. Polystone® PG100 (Pipe Grade) is approved for chemical engineering and tank building and meet the strict requirements set for pipe-grade PE. Offering peace of mind in terms of performance and safety. Polystone® PG100 is the logical choice.

Key Features

- 100% weld integrity with PE100 pipe
- Superior, long term material strength
- Exceptional weld strength
- Degauge material from PE80 and standard HDPE
- Construction of higher tanks
- Superior acid resistance
- Improved environmental stress cracking resistance – up to 100 times better than standard HDPE
- Shorter welding times and easier bending of thinner sheets
- Weatherproof with exceptional UV stability

Delivery Program

Polystone® PG100 Sheet - Black

Sizes:

4000 x 2000

Thickness:

6mm, 10mm, 12mm, 15mm, 20mm, 25mm, 30mm

10 kg PE100 Weld Rod Rolls



Application Area

- Plastics Fabrication
- Tanks
- Storage Vessels

Technical Data	Test Method	Unit	Value
Specific Gravity	ISO 1183	g/cm ³	0.96
Min/Max Service Temperature in Air		°C	-50 to +80
Tensile Strength Yield	ISO 527-1	N/mm ²	24
Tensile Strength Break		MPa	>40
Impact Resistance	DIN 53505	MJ/mm ²	No Break
Co-efficient of Thermal Expansion		mm/(mmxK) x 10 ⁻⁴	180
Dielectric Strength Thermal Expansion	DIN 53481	KV/mm (measured on a 0.2mm thick sheet)	45
Surface Resistivity	DIN VDE 0303	Ohm	>10 ¹⁴
FDA Approved			Yes