

Polyethylene PE Polystone Ultra

PE Product Description

Polystone Ultra is specifically formulated with improved sliding characteristics improving its resistance to wear, abrasion, and environmental stress cracking. Ideally suited to flow promotion and mechanical transmission support products.

Key Features and Benefits:

- Impact Strength - it is virtually breakable
- Light weight - easy to handle without special equipment
- Physiologically inert - approved for food applications
- Electrical insulation - it is a good insulator
- Weatherproof - it doesn't absorb water
- Chemical resistance - resists corrosive chemicals (Sulphuric Acid, Caustic Soda)
- Abrasion resistance - rated better than Carbon Steel for sliding abrasion applications
- Low coefficient of friction - it does not require lubrication.

PE Plastics Applications

- Bulk Storage flow Promotion
- Bulk Storage Wear Liners
- Mechanical Chain Guides
- Mechanical Wear Strips

PE Delivery Program



PE Sheet

Thickness: 3 - 160 mm
 Sizes: 2000 x 1000 3000 x 1000
 3000 x 2000 6000 x 1000



PE Rod

Diameters: 50 - 200 mm



PE Extruded Profile



Machined PE Parts

PE Physical Properties

Specific Gravity Units g/cm ³	0.93
Minimum/Maximum Service Temperature in Air Unit °C	- 260/90
Tensile Strength Yield Units MPa	>20
Tensile Strength Break Units MPa	>30
Impact Resistance DIN 53505 Notched Impact Strength Units MJ/mm ²	No Break
Hardness Units Shore D	63
Co-efficient of Thermal Expansion Units mm/(mmxK) x 10 ⁻⁶	200
Dielectric Strength Units KV/mm	45
Relative Abrasion Loss by Sand Slurry Compared to Polystone 7000=90	80
FDA Approved For a full list of ratings click here	Yes