



## CONSOLIDATED PLASTICS AND EPOXY QLD. PTY. LTD.

# POLYETHYLENE PE POLYSTONE 300

## PE Product Description

Polystone 300 a very rigid material available in large sheets for general use in plant engineering, tank construction and waste water industry, where all round chemical resistance and weatherability are required.

### Key Features and Benefits:

Weldable - suitable for fabrication  
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 (e.g. Sulphuric Acid, Caustic Soda)

## PE Plastics Applications

### Plastic Fabrication

- ☐ Tanks
- ☐ Storage Vessels
- ☐ Waste Water Chemical Process Industry
- Food Industry
- ☐ Cutting Boards
- ☐ Butchers Preparation Table

## PE Delivery Program

(Natural, Black)



PE Sheet  
Thickness: 1.5 - 160 mm  
Sizes: 2000 x 1000, 3000 x 1500



PE Rod  
Diameters: 20 - 250 mm



Machined PE Parts

## PE Physical Properties

Specific Gravity DIN 53479 Units g/cm <sup>3</sup>	0.945
Minimum / Maximum Service temperature in Air Unit °C	-50 +80
Tensile Strength Yield MPA	23
Tensile Strength Break MPA	32
Hardness Shore D	63
Co-efficient of Thermal Expansion Units mm/(mmxK) x 10 <sup>-6</sup>	200
Dielectric Strength DIN 53481 Units KV/mm (measured on a 0.2mm thick sheet)	75
Surface Resistivity Units Ohms	>1x10 <sup>15</sup>
Relative Abrasion loss by Sand Slurry Polystone 7000 = 90	335



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The focus of our business is to provide products that will enhance the working life and reduce maintenance of equipment, machinery and associated infrastructure.