

Material Datasheet

Material: 12/6 twisted Polyethylene

Mesh Size: 50mm

Weight: 24 GSM

B/Strain: 20 KG per mesh

Life Expectancy: 10 Years in Normal Usage.

Elongation

Commercial polyethylene multifilaments have an elongation at break in the region of 20 to 30 %

Effects of Moisture:

Polyethylene is a paraffinic hydrocarbon and does not absorb water. Moisture does not effect the tensile strength of the net or any of the other mechanical properties.

Effect of low Temp:

Polyethylene retains its flexibility at low temperatures

Softening point:

The softening point of polyethylene fibres is in the region of 130-138 deg C and the fibre will melt at between 150 – 160 deg C. The softening and melting points are determined by the nature of polymer and the way the crystallinity has been influenced during the treatment of the fibre after soinning.

Effect of sunlight:

Polypethylene is attacked by atmospheric oxygen, and the reaction is stimulated by sunlight. Polyethylene fibre will deteriorate on exposure to light, this can be helped by the inclusion of inhibitors within the product.

Chemicals Resistance:

Acids – excellent

Alkalis – Excellent

Polypropylene is inert to a wide range of chemicals. It's high crstallinity tends to make it more resistant to chemicals that degrade olefin fibres.

