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Material Datasheet – 20mm Knotless Bird Netting

Material: High tenacity UV stabilised Polypropylene
Mesh Size: 20mm

Weight: 50 g/sqm

Breaking Strain: 20 Kg per mesh

Life Expectancy: 10 Years in normal usage

Elongation
Commercial polypropylene multifilaments have an elongation at break in the region of 20-30%.

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

Effect of Low Temperature
Polypropylene retains its flexibility to temperatures of 70°C or lower.

Softening Point
The softening point of polypropylene fibres is in the region of 150°C and the fibre will melt at 160 – 170°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 spinning.

Effect of Sunlight
Polypropylene is attacked by atmospheric oxygen, and the reaction is stimulated by sunlight. Polypropylene fibre will deteriorate on exposure to light; this is helped by the inclusion of a UV inhibitor within the product.

Chemical Resistance
Acids – Excellent
Alkalis – Excellent
Polypropylene is inert to a wide range of chemicals. It's high crystallinity tends to make it more resistant to chemicals that degrade olefin fibres.