

Recycled Polyester High Tenacity Yarn





Discover Eurotexfilati's industrial polyester yarns made based on recycled polymer made from post - consumer and industrial plastics.

Our r-PET yarns have the same properties as industrial yarns made from virgin PET polymer, that means they can be used in the same applications, such as ropes, slings, strapping, nets, fabrics, hoses, narrow woven belts and more.

These yarns have a high strength and are recyclable over and over again . They can contribute to reduce the carbon footprint of the products made of them.

They are GRS certified and are approved for food contact.

Here below some Technical specifications of raw white r-PET yarns:

Technical specifications	Value
DTEX RANGE	1100 > 3300 an further
TWIST	Z/S
BREAKING TENACITY mN/TEX	734 > 812
ELONGATION AT BREAK %	11,0 > 15,5
BREAKING FORCE (N)	84,3 > 260,2
HOT AIR SHRINKAGE % (2 min 180°C)	4,4 > 8,1

Here below some Technical specifications of colored r-PET yarns:

Technical specifications	Value
DTEX RANGE	1100 > 3300 an further
TWIST	z/s
TENACITY mN/TEX	668 > 782
ELONGATION AT BREAK %	12,8 > 15,2
BREAKING FORCE (N)	78,6 > 254,9
HOT AIR SHRINKAGE % (2 min 180°C)	4,4 > 5,9

All technical references are indicative, to have more information please ask for the specific technical details of the count you need.

We can use basic polyester high tenacity yarns to produce our cable and half cable semi-manufactured.



COLOURS

Eurotexfilati's Polyester yarns can be delivered in raw white, as well as in other colours, and with specific UV resistance upon request. Available raw white, black and other 12 colors.

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Material			Resistance				
	Ductility	Strength (Wet/Dry)	UV	Temperarute	Abrasion	Сгеер	Tension / compression fatigue
PES							

^{*} Indicative properties, classified by colors as **LOW, MEDIUM, HIGH.****Actual performance will depend on the rope construction and application



PACKAGING INFORMATION

Tube internal diameter	72, other tuber on request
Mt/bobbin	On request
Diameter of bobbin	On request
LxWxH	120x120x105
LAWAII	115x115x105
	130x110x105

