

TECHNICAL DATA SHEET

Relix XPP-ST

Post Industrial PP Straps



Healix helps breaking the plastic wave by closing the loop on plastic fiber waste.

Relix is our brand name for post-industrial waste processed at Healix, such as waste from the strapping industry.

Product Characteristics

Relix XPP-ST is a circular homopolymer polypropylene (PP) grade supplied in pellet form. This 100% Post-Industrial Waste based grade originated from the strapping industry is characterized by high purity, high stiffness, and low residual odor.

Recommended Applications

Relix XPP-ST is a general-purpose grade that can be used in a wide variety of extrusion, thermoforming, and injection molding applications. In addition, due to a high purity level, it can also be used in fiber applications e.g. strapping or textiles.

This product is not tested and therefore not validated for use in food, pharmaceutical, medical, or potable water applications.

Physical

Description	Unity	Typical value	Standard
Meltflow Index (230°C/2.16 kg)	g/10 min	3.0	ISO 1133-1
Density	kg/m ³	920	ISO 1183-1
Bulk Density	kg/m ³	540	ISO 60
Ash content	%	< 2.0	ISO 3451-1/A/600°C
Volatiles	%	< 0.1	ASTM D6980 @ 120°C
PE Content (DSC)	%	< 0,1%	ISO 11357-3

Mechanical¹

Description	Unity	Typical value	Standard
Tensile modulus	MPa	1850	ISO 527-2/1A
Strain at yield	%	7.3	ISO 527-2/1A
Strain at break	%	35	ISO 527-2/1A
Stress at yield	MPa	36	ISO 527-2/1A
Flexural modulus	MPa	1790	ISO 178
Notched Charpy Impact strength (23°C, injection molded)	kJ/m ²	3.1	ISO 179-1/1eA

¹ Properties were determined on injection moulded specimens prepared in accordance with ISO 1873-2

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