

TECHNICAL DATA SHEET

Healix[®] XPP-BT

Circular PP from Baler Twines



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

Used nets, ropes and other synthetic fiber-based plastics are collected and recycled into pristine circular polymers for the global manufacturing supply chain.



Product Characteristics

Healix[®] XPP-BT is a circular homopolymer polypropylene (PP) grade supplied in pellet form. This 100% Post-Consumer Waste based grade, originating from agricultural baler twines, is characterized by high stiffness, high stretch ability, and low residual odor. The material can vary in different dark colors, but not (carbon) black.

Recommended Applications

Healix[®] XPP-BT is a general-purpose grade that can be used in a wide variety of extrusion, thermoforming, and injection molding applications. In addition, due to the high filtration and purity level, it can be re-used into fiber applications (closed-loop).

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	4.0	ISO 1133-1
Density	kg/m ³	918	ISO 1183-1
Bulk Density	kg/m ³	540	ISO 60
Ash content	%	< 1.0	ISO 3451-1/A/600°C
Volatiles	%	< 0.2	ASTM D6980 @ 120°C
PE Content (DSC)	%	< 4%	ISO 11357-3

Mechanical¹

Description	Unity	Typical value	Standard
Tensile modulus	MPa	1600	ISO 527-2/1A
Strain at yield	%	8.5	ISO 527-2/1A
Strain at break	%	98	ISO 527-2/1A
Stress at yield	MPa	34	ISO 527-2/1A
Flexural modulus	MPa	1625	ISO 178
Notched Charpy Impact strength (23°C, injection molded)	kJ/m ²	4.3	ISO 179-1/1eA

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

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