

F3010



Biodegradable Raw Material for Compostable Film

Technical Data Sheet

F3010 is a thermoplastic biodegradable and compostable material designed for blown film applications.

Physical Property	Test Method	Value	Units
Melt flow rate (190°C/2.16kg)	ASTM D1238	4.5	g/10min
Melt volume rate (190°C/2.16kg)	ASTM D1238	3	cm ³ /10min
Melting temperature	DSC	95-155	°C
Solid density (g/cm ³)	ASTM D792	1,35	g/cm ³

Film properties*	Test Method	Value	Units
Tensile stress at break MD/TD	ASTM D882	23/21	MPa
Tensile strain at tensile strength MD/TD	ASTM D882	372/553	%
Elmendorf tear resistance MD/TD	ASTM D1922	87/50	N/mm
Impact resistance. Dart Drop	ASTM D 1709-A	335	g

*Film thickness 25 µm, BUR 2.3, die gap 1mm.

Material characteristics

- ❖ High melt strength.
- ❖ Excellent processability.
- ❖ white film colour.
- ❖ Good tear resistance.
- ❖ High mechanical properties.
- ❖ No odor.

Applications

F3010 is suitable for blown film extrusion. Its most common uses include waste bags, organic waste bags, carrier bags and shopping bags. F3010 can be processed on conventional extrusion lines, for further information contact our sales department.

Regulatory Compliance

Information and Food Contact Declaration available upon request.

Compostability

F3010 is certified by TÜV Austria as a compostable raw material in industrial conditions following the EN13432 standard. This material is certified for a maximum thickness of 26µm. For further information please contact our sales department.

Format and storage

F3010 can come in 25kg aluminium thermo-sealed bags and 1.25 t aluminium thermo-sealed big bags. Keep it in a cool, dry area, out of direct sunlight or direct heat, and use it once it has been opened. We recommend that F3010 is consumed before 6 months from production date.

Pre-drying

Pre drying is recommended before use. To dry the material, use dry air at 80°C for approximately 2h.

The information submitted in this document is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors of the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance for a special purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Adding ecological value to plastic.



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