AGRIPLAST

Grass Fibre-Reinforced Thermoplastics for Injection Moulding and Extrusion

AgriPlast NFLDPE 3070

- AgriPlast NFLDPE 3070 is made up of 30% cellulose fibres obtained from meadow grass and 70% recycled polypropylene (PIR).
- AgriPlast can be processed by all injection moulding machines into a wide variety of technical mouldings and by extrusion lines into profiles.
- AgriPlast granules can be dyed with any colour pigments.
- AgriPlast is lighter than comparable fibre-reinforced composite plastics.
- AgriPlast products can be recycled several times.
- Processing Instructions: sufficiently dry at 70-80 °C, heating zones of 200 °C decreasing to 170 °C, possible short-term peak melting temperature of 210 °C, moulding temperature of 40-50 °C, avoid frictional and shearing heat, make sure the tool is well ventilated.
- We will be pleased to send you our detailed processing instructions on request.

Property	Test Method	Unit	Value
Tensile Modulus	DIN EN ISO 527	MPa	542
Yield Stress	DIN EN ISO 527	MPa	12,2
Yield Strain	DIN EN ISO 527	%	4,93
Flexural Modulus	DIN EN ISO 178	MPa	515
Bending Strength	DIN EN ISO 178	MPa	16,1
Bending Strain at Bending Strength	DIN EN ISO 178	%	5,1
Charpy Impact Strength Unnotched	DIN EN ISO 179	kJ/m²	27,6
Charpy Impact Strength Notched	DIN EN ISO 179	kJ/m²	11,8
Vicat Softening Point	DIN EN ISO 306 Vicat B/50	°C	108
Density	DIN EN ISO 1183	g/cm³	1,014

The above information reflects the results of the tests carried out. They do not imply the assurance of certain properties for a specific intended use. The manufacturer is not released from the obligation to carry out incoming inspections and tests for the specific intended use.