

# Greennature Bioresin GN600F

## Biodegradable Resin for Film

**Product description** GN600F is biodegradable, bio-polyester compound for use in film applications. It meets EN13432 and ASTM D6400 certification for industrial compostable requirement.

**Typical applications:** Blown film applications for shopping bag, garbage and mulch film

**Form** GN600F is supplied in pellet form in 25kg bags

**Properties** GN600F has excellent strength and good processability, heat sealing ability and printability



Typical Property	Unit	Test Method	Result
Appearance			white
Density	g/cm <sup>3</sup>	ISO 1183	1.28
MFR 170°C, 2160g	g/10min	ISO 1133	3-5
Melting temperature	°C	DSC	>130
Vicat A/120	°C	ISO 306	80
Tensile Strength MD	MPa	ASTM D-882	>20
Tensile Strength TD	MPa	ASTM D-882	>20
Break elongation MD	%	ASTM D-882	>250
Break elongation TD	%	ASTM D-882	>350
Water Absorption	%	ASTM D-570	<0.4

\* Properties are not to be regarded as specifications. All reported data are based on 25micron thick blown film (2.7 blow-up ratio) produced using a 45 mm extruder fitted with a 100 mm spiral mandrel blown film die and a dual-lip air ring.

s Mechanical and thermal are measured after 24hs conditioning at room temperature

† MD indicates machine direction

‡ TD indicates transverse direction

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