

PRODUCT NEWS

HG365FB

HIGH PERFORMANCE POLYPROPYLENE SOLUTION FOR FIBRE APPLICATIONS



HG365FB – DESIGNED FOR BULK CONTINUOUS FILAMENT APPLICATIONS (FIBRE)

HG365FB, produced using proprietary Borstar® technology, is the latest high performance bimodal polypropylene (PP) solution specially developed for the manufacture of carpets, wall arts and textiles.

The innovative solution combines Borealis Borstar® PP process and advanced non-phthalate catalyst technologies to deliver unique properties such as faster processing speeds, with improvements of 5 to 10% compared to current products, by using state-of-the-art fibre processing lines. A key benefit for converters is the increased productivity with higher efficiency and lower energy consumption, leading to sizeable cost savings.

HG365FB features improved anti-gas fading and colour dispersion, resulting in lower wastage and a potential reduction of colour pigments, enabling recipe cost savings up to 10%.

Designed to deliver higher tenacity fibres, HG365FB gives more abrasion resistance and less tears, ensuring a longer lifetime for applications such as carpets. Additionally, the additive is tailored to deliver superior odour performance to reduce unwanted smells.

This high-quality solution introduced enhanced hygiene benefits, ensuring safety standards for human contact. Added with unique ultra-violet stabilisers, HG365FB further enhances durability and reliability of end-use products.

KEY FEATURES

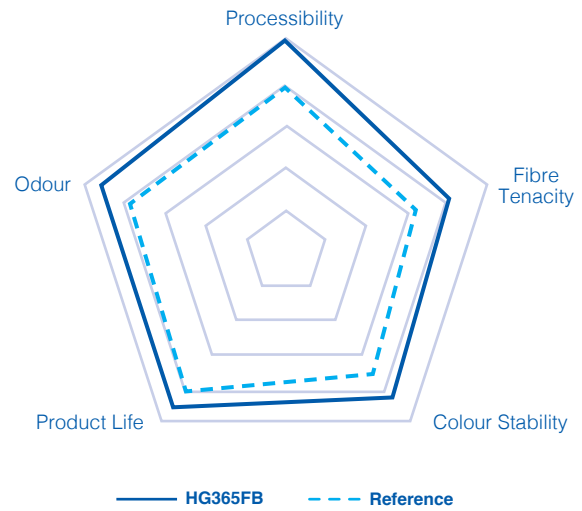
- Improved line processing speeds of 5-10%
- Improved anti-gas fading / Colour stability properties
- Excellent pigment dispersion and gloss
- Higher fibre tenacity
- Improved odour performance

HG365FB SERVES VARIOUS APPLICATIONS

- Wall arts
- Carpets
- Hosiery
- Sportswear
- Textiles
- Rugs

With enhanced processability, fibre tenacity and colour stability, HG365FB is targeted to deliver enhanced end user satisfaction, longer product life and productivity improvements to alternative PP solutions.

HG365FB PERFORMANCE



TECHNICAL OVERVIEW

Properties	Unit	HG365FB
Melt Flow Rate MFR (230°C/2.16kg)	g/10min	24
Flexural Modulus	MPa	1500
Charpy Notched @23°C	kJ/m ²	2.2
Fibre Tenacity	g/denier	>2.2
Fibre Elongation	%	>50

* Typical properties and data should not be used for specification work

About Borouge Plc Borouge Plc, listed on the Abu Dhabi Securities Exchange (ADX symbol: BOROUGE / ISIN AEE01072B225), is a leading global polyolefins company that provides innovative and differentiated polyolefin solutions for the infrastructure, energy, mobility, healthcare, agriculture and advanced packaging industries. Borouge employs more than 3,100 people and serves customers in over 86 countries across Asia, the Middle East and Africa. Founded in 1998 through a strategic partnership between ADNOC and Borealis, Borouge was formed to build and operate a polyolefins complex in Al Ruwais Industrial City, United Arab Emirates, which today is one of the world's largest integrated polyolefin complexes. ADNOC owns a majority 54% stake and Borealis holds a 36% stake in Borouge.

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