

PRODUCT NEWS

ANTEO™ FK1820/FK1826/FK1828



ANTEO™ – THE NEW INGREDIENT FOR COMPLETE SUCCESS

Anteo™ is a new family of bimodal terpolymer PE solutions based on the Borstar® Bimodal Terpolymer (BBT) technology platform, which combines smart catalyst design and a superior two-reactor process with two co-monomers. BBT technology gives unrivalled flexibility in polymer design, resulting in unique polyethylene solutions with outstanding and balanced properties.

Anteo™ FK1820, FK1826 and FK1828 are innovative LLDPEs that provide a combination of excellent sealing performance, unparalleled processability, good optical properties and superior puncture and tear resistance.

BOROUGE OFFERS THE TOTAL SOLUTION FOR FILM STRUCTURES

- Anteo™ FK1820, FK1826 and FK1828 Borstar Bimodal Terpolymer for easy sealing and high seal integrity
- Borstar® LLDPE, MDPE and HDPE with unique high toughness/stiffness balance
- Easy to process LDPE from MFR 0.75 to MFR 4
- Random PP for blown film
- Enhanced anti-block feature that mitigate blocking issues that occur during production

ANTEO™ SERVES A VARIETY OF APPLICATIONS:

- Lamination Film (food and non-food packaging)
- Heavy Duty Shipping Sacks (HDSS)
- Stretch Hoods (for pallets)
- Agricultural Film (greenhouse, tunnel and mulch film)

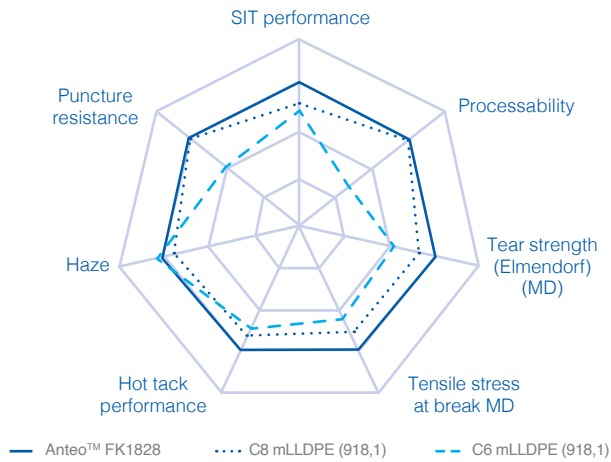
BENEFITS

- Unparalleled processability
- Outstanding seal performance
- Improved optical clarity
- Superior puncture and tear resistance

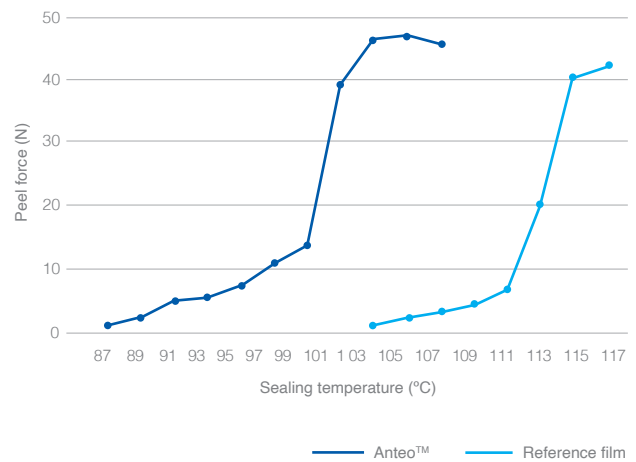


Anteo™ FK1820, FK1826 and FK1828 promote high throughput and cost-efficient processing in blown film production

A unique blend of processing, sealing, mechanical and optical performances



Heat seal strength



TECHNICAL OVERVIEW

Properties	Anteo™ FK1820	Anteo™ FK1826	Anteo™ FK1828
Melt flow rate (MFR)	1.5g/10min	1.5g/10min	1.5g/10min
Density	918kg/m ³	918kg/m ³	918kg/m ³
Melt temperature	122°C	122°C	122°C
Tensile modulus – MD / TD	210/220MPa	210/220MPa	210/220MPa
Tensile strength at break – MD / TD	52/50	52/50	52/50
Elmendorf tear strength	550/700g	550/700g	550/700g
Dart impact strength	>1,000g	>1,000g	>1,000g
Haze **	8%	8%	8%
Gloss (45°) **	70	60	60
COF	0.8	≤0.2	0.2
Slip and antiblock	No	Yes	Yes

Anteo™ FK film properties are measured on 40 micron blown film produced at a lab scale extruder with the following processing conditions: BUR = 2.5:1, FLH = 3 DD, die gap = 1.8mm.

**Haze and gloss data are based on blend with 10% LDPE.

About Borouge Borouge, listed on the Abu Dhabi Securities Exchange (ADX symbol "BOROUGE" / ISIN "AEE01072B225"), is a leading petrochemical company that provides innovative and differentiated polyolefin solutions for the energy, infrastructure, mobility, advanced packaging, healthcare and agriculture industries. ADNOC owns a majority 54% stake and Borealis holds a 36% stake in Borouge.

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