



## 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



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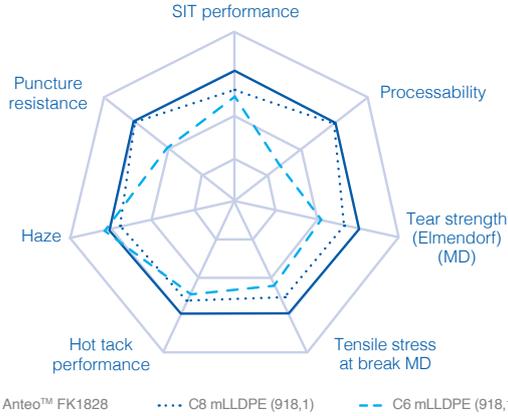
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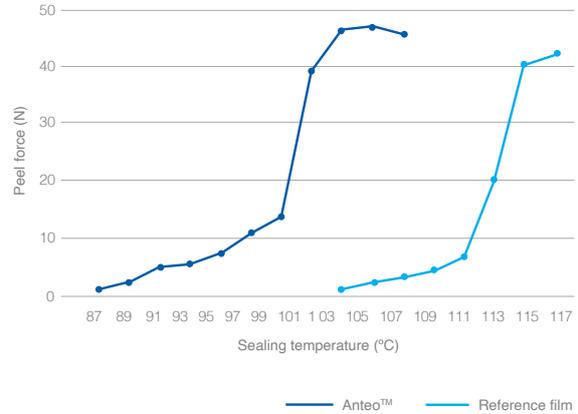
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**A unique blend of processing, sealing, mechanical and optical performances**



**Heat seal strength**



**TECHNICAL OVERVIEW**

Properties	Anteo™ FK1820	Anteo™ FK1826	Anteo™ FK1828
<b>Melt flow rate (MFR)</b>	1.5g/10min	1.5g/10min	1.5g/10min
<b>Density</b>	918kg/m <sup>3</sup>	918kg/m <sup>3</sup>	918kg/m <sup>3</sup>
<b>Melt temperature</b>	122°C	122°C	122°C
<b>Tensile modulus – MD / TD</b>	210/220MPa	210/220MPa	210/220MPa
<b>Tensile strength at break – MD / TD</b>	52/50	52/50	52/50
<b>Elmendorf tear strength</b>	550/700g	550/700g	550/700g
<b>Dart impact strength</b>	>1,000g	>1,000g	>1,000g
<b>Haze **</b>	8%	8%	8%
<b>Gloss (45°) **</b>	70	60	60
<b>COF</b>	0.8	≤0.2	0.2
<b>Slip and antiblock</b>	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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