

THE NEW INGREDIENT FOR COMPLETE SUCCESS



WHERE INNOVATION MEETS SUSTAINABILITY

Anteo™ FK1820 and FK1828 promote high throughput and cost-efficient processing in blown film production. Anteo offers further downgauging potential and cost competitiveness when used together with the Borstar® family.

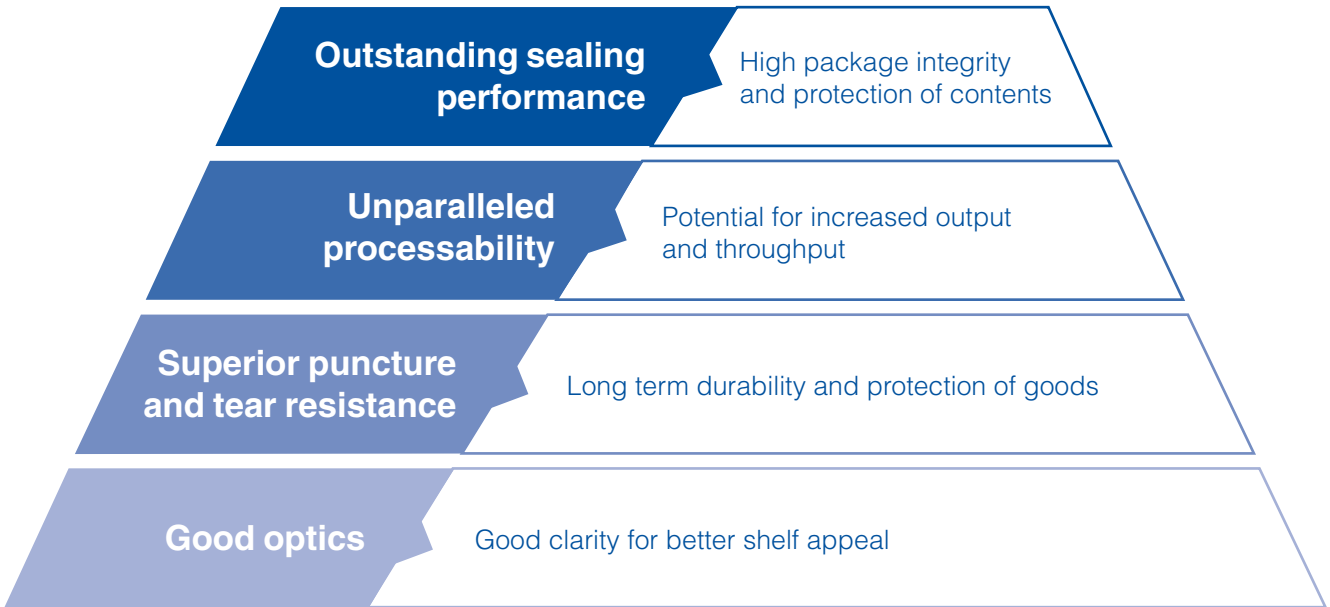


ANTEO™ COMPLETES THE EQUATION

The Anteo PE family pushes packaging performance to the next level offering unrivaled processability, superior seal performance, good optical properties, superior puncture and tear resistance and excellent organoleptics.

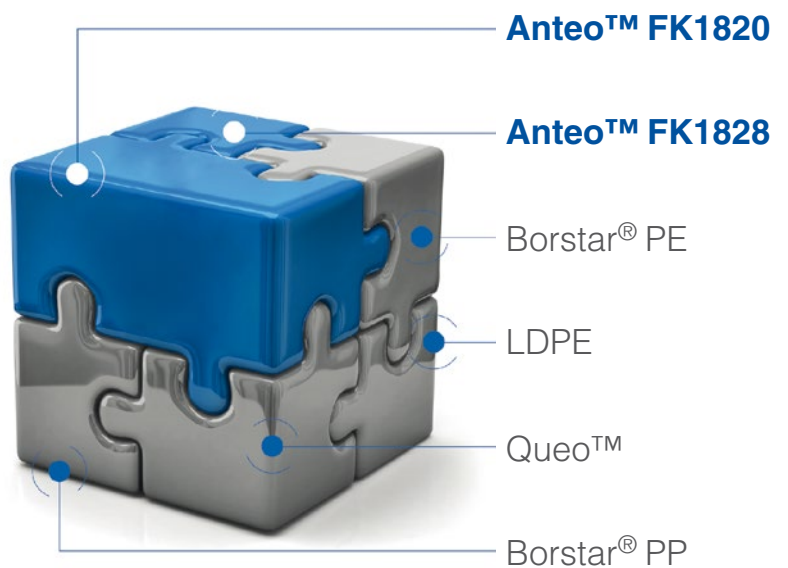
THE ANTEO™ FAMILY

Anteo is a new family of bimodal terpolymer PE solutions based on next generation **Borstar Bimodal Terpolymer (BBT)** Technology produced in the UAE. It is a unique combination of smart catalyst design and a superior two-reactor-system process with two co-monomers.



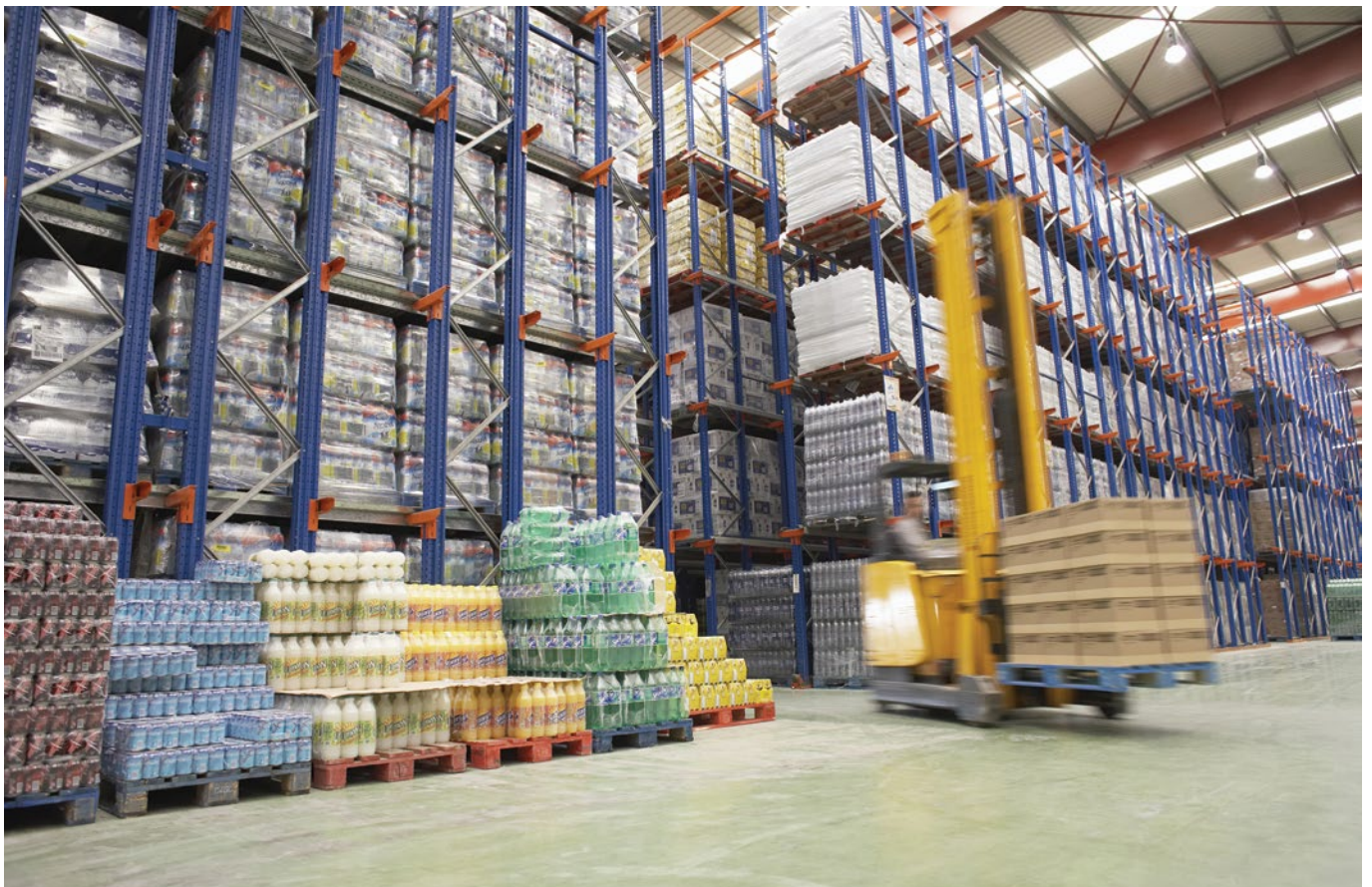
Anteo completes the full range of products for flexible packaging solutions in both consumer and industrial packaging applications.

Together with the Borstar PE family, Anteo offers exceptional performance for demanding film applications.



SUMMARY DATA

Product Grade	MFR 190°C/2.16kg (g/10min)	Melting Temperature (°C)	Density (kg/m ³)	Slip Agent / Antiblock	Processing Aid (PPA)	Key Performances	Applications						
							Lamination Film	Stand-up Pouches	Industrial Liners	Heavy Duty Shipping Sack	Stretch Hood	Agriculture	Frozen Food
FK1820	1.5	122	918			Unparalleled processability Outstanding seal performance Superior puncture resistance Good optics Low COF	•	•	•	•	•	•	•
FK1828	1.5	122	918	•	•	Unparalleled processability Outstanding seal performance Superior puncture resistance Good optics	•	•	•	•	•		•

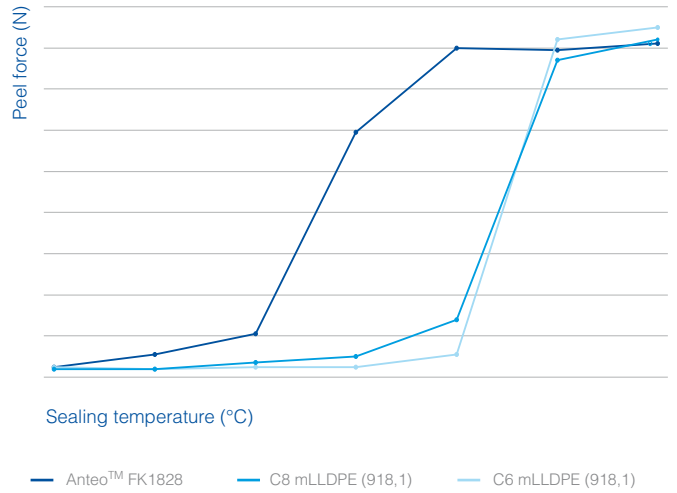
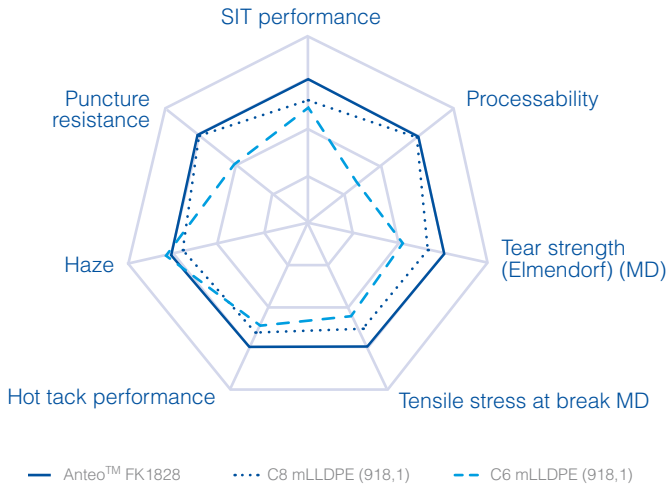


A warehouse environment with stretch hood pallets.

PROVEN BY OVER 100 CUSTOMER TRIALS

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

Heat seal strength



BBT technology gives unrivalled flexibility in polymer design, resulting in unique polyethylene solutions with outstanding and balanced properties.

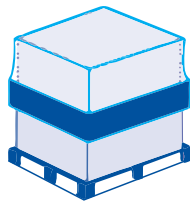
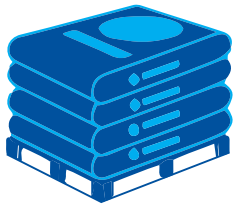
TECHNICAL OVERVIEW

Properties	Anteo™ FK1820	Anteo™ FK1828
Melt Flow Rate (MFR)	1.5g / 10min	1.5g / 10min
Density	918kg / m ³	918kg / m ³
Melt temperature	122	122
Tensile modulus – MD / TD	210 / 220MPa	210 / 220MPa
Tensile strength at break – MD / TD	52 / 50	52 / 50
Elmendorf tear strength	550 / 700g	550 / 700g
Dart impact strength	> 1000g	> 1000g
Haze**	8%	8%
Gloss (45°)**	70	60
COF	0.8	0.2
Slip and antiblock	No	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.

ANTEO™ AND ITS APPLICATIONS



HEAVY DUTY SHIPPING SACKS

Wholesale food packaging

- Rice & Grains
- Salt
- Sugar
- Pet food

Raw materials packaging

- Plastic resins
- Chemical products
- Fertilisers
- Cements

STRETCH HOOD

Warehouse & Logistics

- Pallet Crates
- Transportation
- Storage

LAMINATION FILM

Stand Up Pouches

- Detergents
- Personal Care – shampoo, conditioner, shower gel, hand soap
- Food – oil, snacks, beverages, jelly, yoghurt, cereals

Vacuum and Barrier Packaging

- Coffee
- Frozen Food
- Cheese

Form-Fill-Seal

- Beverages
- Flour, rice, grains and spices
- Sugar, salt and spices

About Borouge

A joint venture between ADNOC and Borealis, Borouge is a leading petrochemicals company that provides innovative plastics solutions for the energy, infrastructure, mobility, packaging, healthcare and agriculture industries. With 4.5 million tonnes of annual capacity, Borouge is the world's largest integrated polyolefin complex.

Learn more at borouge.com

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