

PRODUCT NEWS

# ANTEO™ FK2715

## THE NEW INGREDIENT FOR COMPLETE SUCCESS



Anteo™ is a family of bimodal terpolymer polyethylene (PE) solutions based on the Borstar® Bimodal Terpolymer (BBT) technology platform, which combines a 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™ FK2715 – THE ENHANCED INGREDIENT FOR EXCELLENT BALANCE OF STIFFNESS, IMPACT STRENGTH AND OPTICS

Anteo™ FK2715 is a medium density polyethylene (MDPE) resin produced using proprietary Borstar® Bimodal Terpolymer technology, combining easy processing, stiffness/impact balance, excellent tensile properties and good optics. Anteo™ FK2715 offers excellent drawability and potential for downgauging.

### BOROUGE OFFERS THE TOTAL SOLUTION FOR FILM STRUCTURES AND SAFETY

Anteo™ FK2715 can be processed in most types of blown film equipment such as LDPE, LLDPE or HDPE extruders. With a minimum of 5% LDPE blended together, its optical properties will be boosted. Anteo™ FK2715 enables energy saving by processing at lower temperature and motor load with excellent bubble stability.

Anteo™ FK2715 meets food contact regulations in most countries. Anteo™ FK2715 is suitable for recycling using modern methods of shredding and cleaning.

### ANTEO™ FK2715 SERVES VARIOUS APPLICATIONS

- Food packaging
- Collation shrink film
- Lamitube
- Stiffer lamination film
- Breathable medical protective clothes film
- Breathable/non-breathable hygiene film
- Stand-up pouch
- Potential oriented film

## BENEFITS

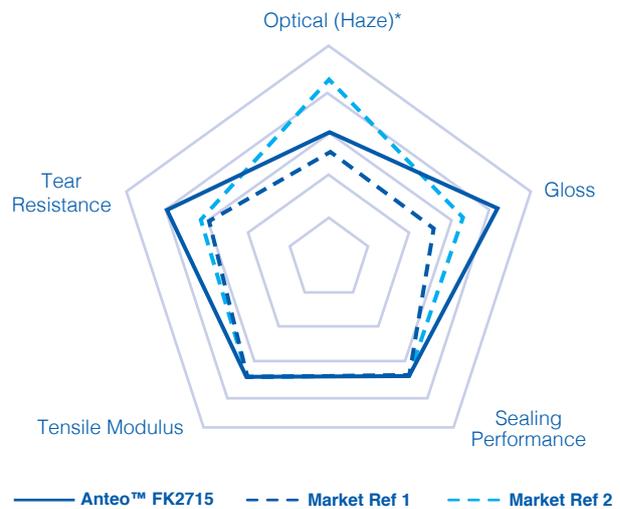
- Easy processability, high output rates
- Very good optical properties
- Excellent organoleptic properties
- Balanced impact strength vs. stiffness
- Balanced toughness and stiffness
- Optimised seal performance

## TECHNICAL OVERVIEW

Anteo™ FK2715 film properties are measured on 40 micron blown film produced at lab scale extruder with processing conditions: BUR=2.5:1, FLH=4DD, Die gap=1.8mm.

Anteo™ FK2715 contains Antioxidant and Processing Aid (PPA).

## ANTEO™ FK2715 BENCHMARKING



\* Optical Haze – Lower haze means better clarity.  
All films were blended with 10% LDPE.

Properties	Typical Value	Unit	Test Method
Density	927	kg/m <sup>3</sup>	ASTM D 792
Melt Flow Rate MRF (190°C/2.16kg)	1.3	g/10min	ASTM D 1238
Melting Temperature	125	°C	ISO 11357/03
Tensile Strength at Break – MD/TD	60/50	MPa	ISO 527-3
Tensile Strength at Yield – TD	13	MPa	ISO 527-3
Elmendorf Tear Strength – MD/TD	160/460	g	ASTM D 1922
Dart Drop Impact	>200	g	ASTM D 1709/A
Haze	10	%	ASTM 1003
Gloss (45°)	60	-	ASTM D 2457

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

\*\* All films were blended with 10% LDPE.

**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 has one of the world's largest integrated polyolefin complexes, with the ambition to further expand its current capacity by 2030.

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**Borouge Pte Ltd**

One George Street #18-01 Singapore 049145  
Tel: +65 6275 4100 Fax: +65 6377 1233 Email: info@borouge.com