

Product News

# Borstar® Nextension PE SFK2010

High-performance, next-generation grade  
for demanding and sustainable flexible  
packaging applications



# A flexible packaging grade with exceptional toughness, mechanical properties, and processability

## SFK2010

Developed using Borouge International's cutting-edge Borstar® Nextension technology, SFK2010 is an advanced LLDPE grade designed for industrial and consumer packaging applications.

Delivering best-in-class mechanical performance, SFK2010 adds value to applications like large-size FFS and consumer packaging, such as frozen food, helping improve product protection. It also offers unmatched processability, simplifying the extrusion process and helping reduce production waste.

In addition, SFK2010 contributes to sustainability through enabling down-gauging, reducing product spillage and waste, and supporting easy-to-recycle mono-material solutions.

## Special features

- Best-in-class toughness – for high-performance applications
- Unmatched processability – for efficient production
- Made in Europe – for reliable supply and peace of mind

## Key applications

SFK2010 is ideal for industrial and consumer packaging applications, including:

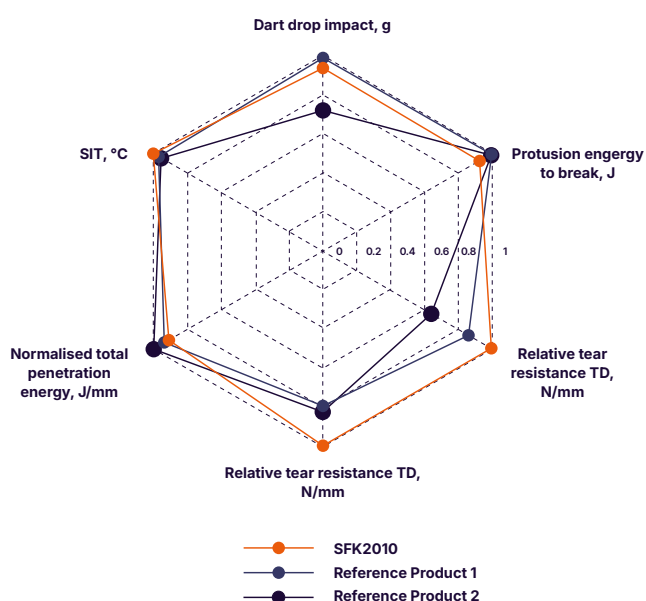
- Form fill and seal (FFS) / heavy duty shipping Sacks (HDSS)
- Frozen food
- Agricultural film
- Food packaging

## Value creation with SFK2010

SFK2010 helps your business stand out in the market through:

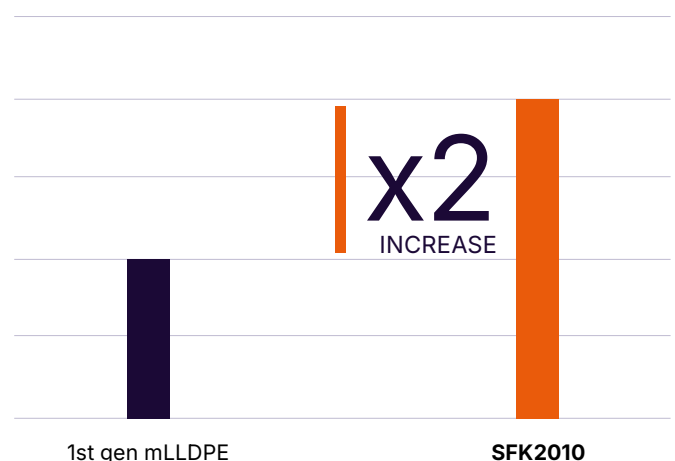
- Improved product protection – helps reduce waste, rejects, and product loss
- Greater efficiency – enables easy extrusion, high throughput and less downtime
- Competitive differentiation – as an innovative, high-performance material based on cutting-edge technology
- Regulatory readiness – supports mono-material solutions, design for recycling and downgauging

## Comparative chart of technical properties of SFK2010



Graph 1: Comparative radar chart highlighting the all-round performance advantages of SFK2010.

## Dart Drop Impact (DDI) improvement



Graph 2: Significant DDI improvement: SFK2010 delivers approximately two-fold performance versus 1st generation mLLDPE advantages of SFK2010.



Property	Unit	Test Method	SFK2010
Density	kg/m <sup>3</sup>	ISO 1183-1	918
MFR (190 °C / 2.16 kg)	g/10 min	ISO 1133-1	0.6
Tensile Modulus, MD	MPa	ISO 527-2	230
Dart Drop	g	ISO 7765-1	1,850



## Borstar® Nextension Technology

**Breakthrough technology providing tailor-made and circular solutions with outstanding performance**

With the development and launch of Borstar® Nextension technology, Borouge International solidifies its position as an industry leader in innovation and technology. Thanks to the proven performance of Borstar® and unique single-site Borstar® Nextension catalyst, Borstar® Nextension technology enhances the range of polypropylene (PP) and polyethylene (PE) properties and drives plastics circularity.

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### About Borouge International

Borouge Group International AG (Borouge International) is a global leader in polyolefins formed in 2026 through the combination of Borouge Plc, Borealis and NOVA Chemicals. Backed by long-term shareholders XRG, the international investment arm of ADNOC, and OMV, Borouge International brings together world-class assets, advantaged feedstock access and proprietary technology to deliver reliable high-performance polyolefin solutions across consumer products, infrastructure, energy, mobility and advanced products.

Borouge International combines a differentiated asset base, global reach and deep technical expertise to serve customers across key growth markets. The company is headquartered in Austria, with a regional headquarters in Abu Dhabi and corporate hubs in North America and Asia Pacific.

Learn more about the company: [borougeinternational.com](https://borougeinternational.com).

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