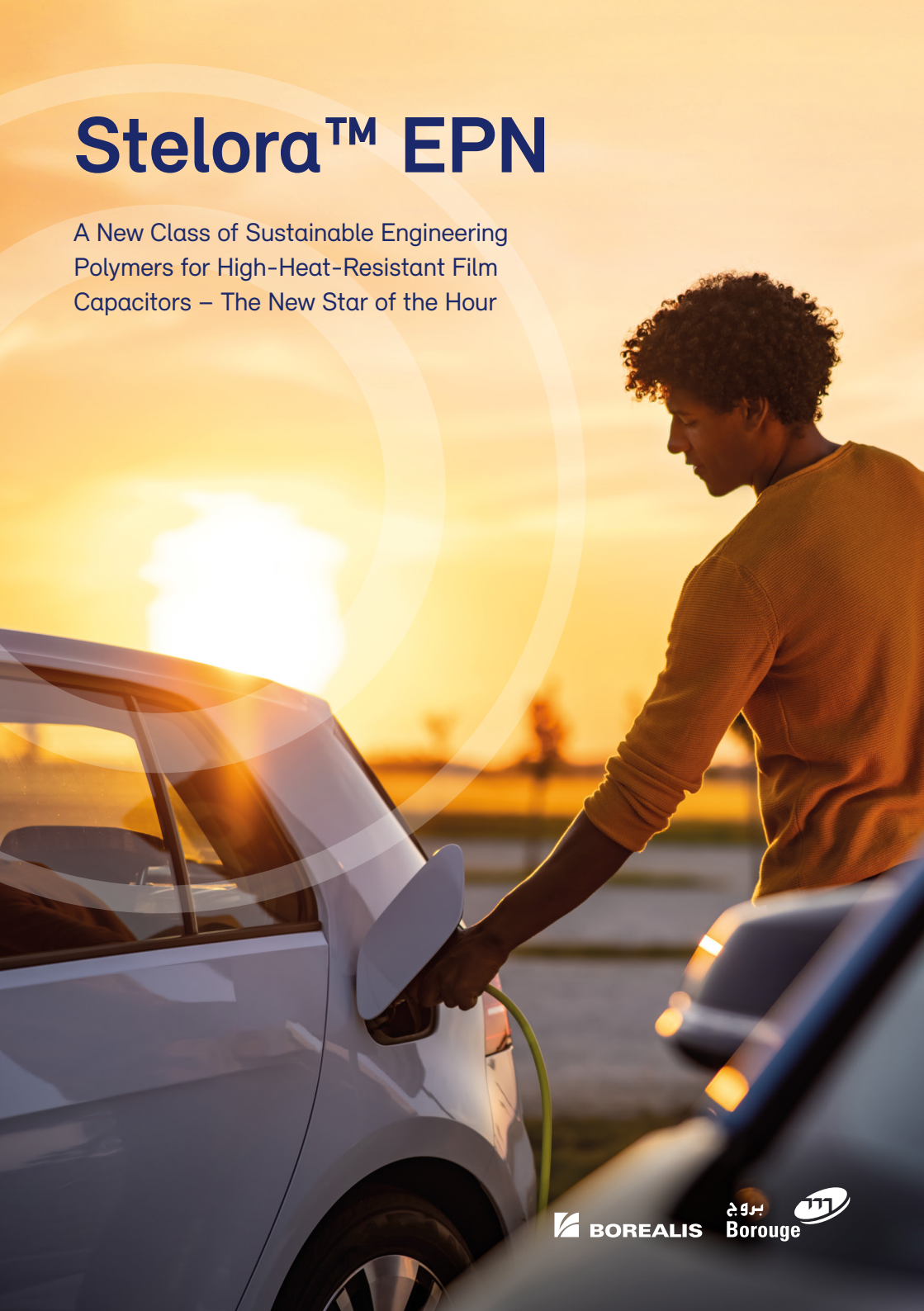
Stelora™ EPN

A New Class of Sustainable Engineering Polymers for High-Heat-Resistant Film Capacitors – The New Star of the Hour



What Is Stelora™ EPN?

Stelora EPN: The Best of Both Worlds & Zero Compromises
Stelora EPN combines the heat resistance of advanced cyclic olefins with the flexibility and processability of polypropylene. The result is a game-changing material based on

Ethylene-Propylene-Norbornene (EPN)

– ideal for high-heatresistant film capacitors.
With Stelora EPN, high-heat resistance comes without compromise! Enjoy seamless processing, reliable metallization, low electrical losses, excellent self-healing, and long operational lifetime.

Discovered more advantages?

We'd love to hear from you – share your experience with us!

Why Choose Stelora™ EPN?

Superior Electrical Properties
Outstanding performance at high temperatures up to 135° C.

Reliability
Delivers exceptional durability and reliability over hundreds of thousands of hours.

Compatibility
Seamlessly integrates into existing production lines – no new equipment, infrastructure or assets needed.

Advanced Applications
Ideal for wide-bandgap (SiC/GaN) semiconductor-based inverters

Built to last.
Trusted to perform.

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Which Advanced Applications Benefit from Increased Heat Resistance?

Electric Vehicles
Smaller, more energy-efficient final products can be produced.

Inverters
Less space needed for cooling reduces the size and construction costs of inverters.

Power Generation
Reduced degradation extends the lifespan of capacitors in power transmission.

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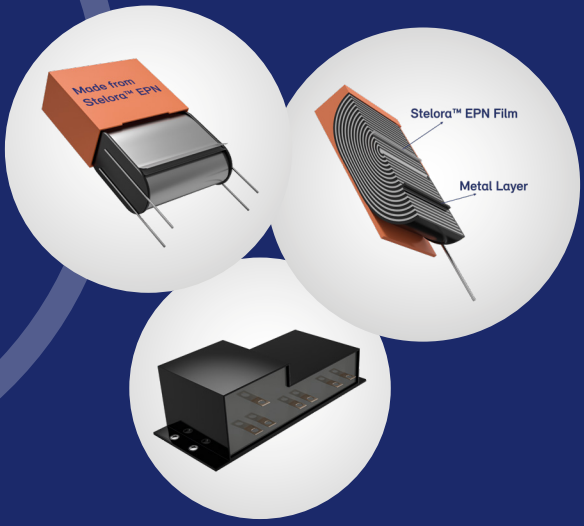
How does Stelora™ EPN perform in practice?



Hear directly from industry experts in our virtual panel discussion – featuring voices from across the film capacitor value chain:

WATCH RECORDING

Looking for deeper technical insights? Explore our latest findings in the detailed technical paper:

DOWNLOAD TECHNICAL PAPER

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What's the Story Behind the Name Stelora™?

Stelora is more than a name – it's a statement of purpose.

It draws from "stellar" – a symbol of brilliance, ambition, and forward motion – and "ora," the Italian word for both hour and now. Together, they capture a powerful idea:

A new star rising at exactly the right moment.

Stelora stands for strength, durability, and progress.
It's a breakthrough material built to meet today's toughest challenges – and unlock tomorrow's boldest possibilities.

Built to last.
Trusted to perform.

Stelora:
The Star of the Hour.
The Star of Tomorrow.

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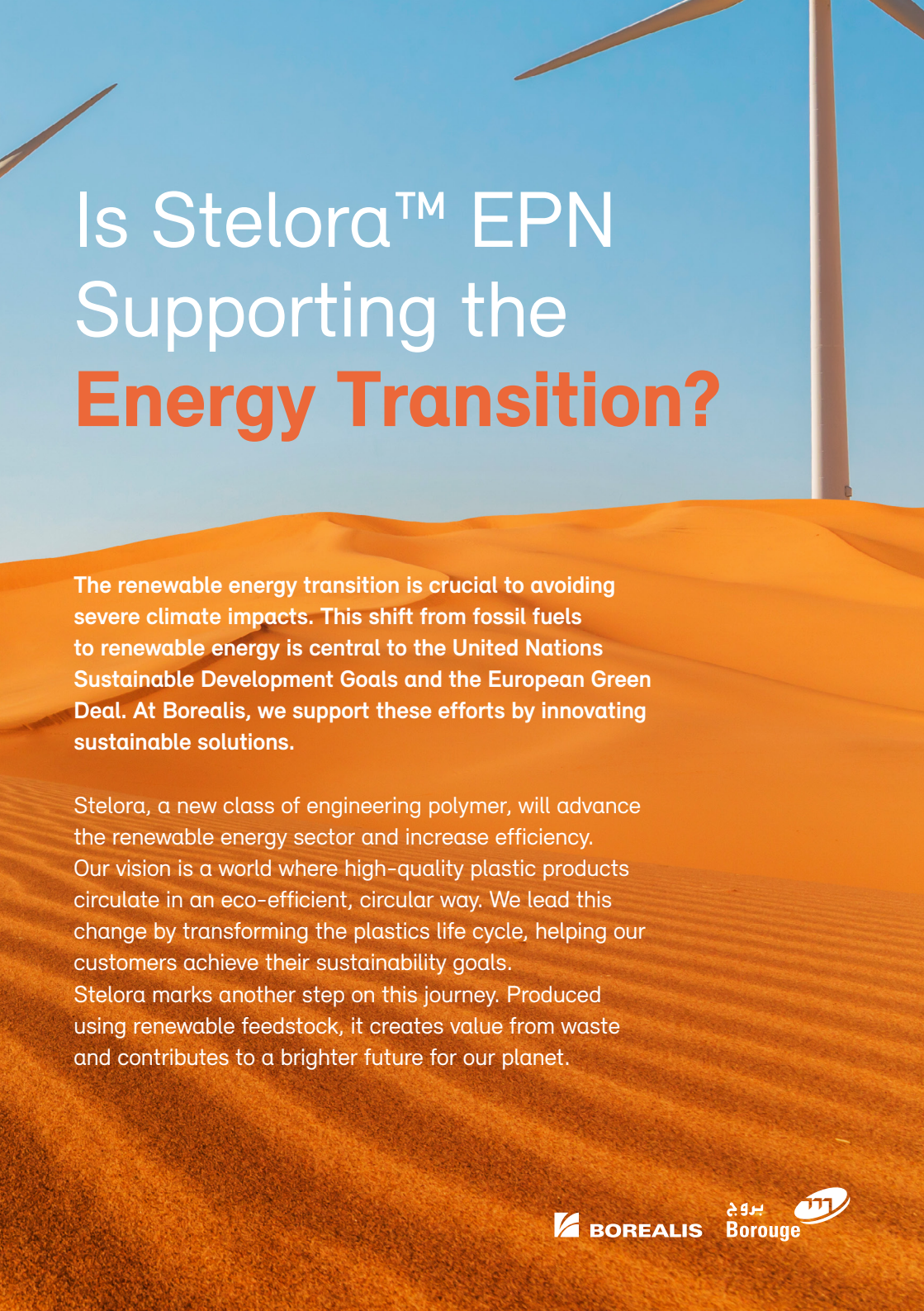

Is Stelora™ EPN Supporting the **Energy Transition?**

The renewable energy transition is crucial to avoiding severe climate impacts. This shift from fossil fuels to renewable energy is central to the United Nations Sustainable Development Goals and the European Green Deal. At Borealis, we support these efforts by innovating sustainable solutions.

Stelora, a new class of engineering polymer, will advance the renewable energy sector and increase efficiency. Our vision is a world where high-quality plastic products circulate in an eco-efficient, circular way. We lead this change by transforming the plastics life cycle, helping our customers achieve their sustainability goals.
Stelora marks another step on this journey. Produced using renewable feedstock, it creates value from waste and contributes to a brighter future for our planet.

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A Circular Way

EverMinds™
Accelerating Action on Circularity

Everminds™ is a platform for accelerating action on circularity. To harness knowledge and ideas from across our industry to create bold new solutions, and unlock rapid progress. Be a part of the circular revolution for plastic. Be a part of EverMinds™.

Stelora™ EPN

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Trusted to perform.

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