

# Ixef PARA®

nexeo®  
plastics



## EXCELLENT COMBINATION OF MECHANICAL STRENGTH AND AESTHETICS

Ixef® PARA is a polyarylamide that provides an excellent combination of mechanical strength and aesthetics. Its remarkable strength and rigidity stems from its 50% to 60% glass reinforcement profiles. Ixef® PARA produces a naturally reflective shell that is glass-free, high-gloss and resin-rich. From custom colors to grades with unrivaled resistance properties, Ixef® PARA grades possess the properties required to replace metal in a myriad of critical applications and components.

**TO MEET THE SPECIFIC DEMANDS OF A WIDE RANGE OF MARKETS, IXEF® PARA COMPOUNDS ARE AVAILABLE IN A VARIETY OF GRADES THAT OFFER UNIQUE PERFORMANCE, MECHANICAL AND AESTHETIC FEATURES.**

## CHARACTERISTICS

Ixef® PARA's broad product family gives you numerous ways to optimize performance, processing and price. Its high flow, dimensional stability, and high strength and stiffness make it suitable for replacing metal in a wide range of structural applications where aesthetics are important. Characteristics and properties found across the product line include:

- High rigidity
- Outstanding mechanical stress resistance
- Rigidity and injectability into complex and thin shapes
- Impeccable surface finishes
- Excellent low creep
- Slow rate of water absorption

## Appliances

With similar tensile strength of traditional cast metals and alloys, Ixef® PARA provides ideal dimensional stability. Highflow grades of Ixef® PARA can help produce appliance components that exhibit reliable rigidity and dimensional stability. Additionally, there are Ixef® PARA compounds that were developed to suit FDA regulations.

Applications include:

- Levers
- Oven Handles
- Coffee Drip Grids
- External Housing Components



## Automotive and Mobility

Ixef® PARA compounds help manufacturers and OEMs in the automotive industry address major weight saving challenges. The Ixef® PARA compounds with high levels of glass fiber reinforcement can provide the excellent strength and rigidity needed without compromising on aesthetics.

Applications include:

- Hybrid Electric Vehicles
- Plug-In Hybrid Electric Vehicles
- Electric Vehicles



## Electric and Electronics

When strength and rigidity are important, manufacturers in electrical and electronic markets can place their trust in Ixef® PARA. Ixef® PARA can replace metal components with ease by offering unparalleled design flexibility and other mechanical properties.

Applications include:

- Mobile Phones
- Tablets
- Laptops



## Healthcare

Ixef® PARA allows manufacturers to produce efficient, single-use equipment for healthcare that can be sterilized in bulk. This material can also withstand high-energy gamma rays without dramatic changes in its appearance or physical capabilities.

Applications include:

- Inserters
- Curettes
- Needle Holders
- Forceps
- Retractors
- Extractors



[Learn more at nexeoplastics.com/solvay/ixef-para](https://nexeoplastics.com/solvay/ixef-para) or contact us to request a free sample.

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