**PRODUCT INFORMATION**

*Hifax EPR 60/M Bianco*

**Polypropylene powder used for field-joint applications at ultra high temperatures**

*Hifax EPR 60/M Bianco* is a grade used for high temperature operating pipeline and it offers excellent adhesion to polar materials (i.e. epoxy resin, steel, etc.). This grade is produced using LyondellBasell’s proprietary *Catalloy* technology.

LyondellBasell developed *Hifax EPR 60/M Bianco* to address the ultra high temperature demands of customers seeking alternative solutions to three layer polyethylene systems (3LPE). This material provides good compatibility with a wide range fusion-bonded epoxies.

Our comprehensive portfolio of anti-corrosion coating (ACC) resins is used by customers to protect and insulate oil and gas pipelines in both on-shore and off-shore projects.

With the addition of the new resins for field-joint applications: *Hifax EP5 10/60 M Bianco*, *Hifax CA 197 J White* and *Hifax EPR 60/M Bianco*, LyondellBasell has become a full system supplier in adhesive, topcoat and field-joint coating materials.

*Hifax EPR 60/M Bianco* can be applied by either flocking or flame-spray and provides the option to operate at temperatures between -20 °C to +140 °C.

This field-joint powder also has the potential to be used as an adhesive layer in three layer polypropylene (3LPP) and multi-layer polypropylene (PP) systems.

**Features and Benefits**

- Compatible with a wide range of fusion-bonded epoxies
- Good melt flow rate for easy application
- Excellent OIT (> 50 minutes at 220 °C)
- Excellent ESC resistance
- Outstanding resistance to UV and thermal aging
- High resistance to indentation
- Superior sagging resistance

*Hifax EPR 60 Bianco* pellet is used by Pipeline Induction Heat Limited to produce their PP tape-wrap field-joint coating.

---

For more information, please contact us at pipe@lyondellbasell.com or visit http://polymers.lyondellbasell.com

---

*Hifax* is a trademark owned or used by one of the LyondellBasell family of companies. *Hifax* is registered in the U.S. Patent and Trademark Office.
About LyondellBasell

LyondellBasell is one of the world’s largest plastics, chemical and refining companies. We are the largest producer of polypropylene and polypropylene compounds; a leading producer of propylene oxide, polyethylene, ethylene and propylene; a global leader in polyolefins technology; and a producer of refined products, including biofuels.

LyondellBasell products and technologies are used to make items that improve the quality of life for people around the world including packaging, electronics, automotive components, home furnishings, construction materials and biofuels.

Our Product Lines And The End Markets We Serve…

Olefins & Polyolefins
– Americas
– Europe, Asia & International

Key Products
Ethylene
Propylene
Polyethylene
Polypropylene
Catalloy Process Resins
Polypropylene Compounds
Polybutene-1

End Uses
• Food Packaging
• Textiles
• Automotive
• Appliances
• Films
• Flexible Piping

Intermediates & Derivatives

Key Products
Propylene Oxide
Styrene Monomer
PG and PGE
Acetyl
Oxyfuels
Ethylene Oxide
EG and EOD

End Uses
• Insulation
• Home Furnishings
• Adhesives
• Consumer Products
• Coatings

Refining

Key Products
Gasoline
Diesel
Olefins Feed

End Uses
• Automotive Fuels
• Aviation Fuels
• Heating Oil
• Industrial Engine Lube Oils

Technology

Key Products
Process Licensing
Catalyst Sales
Technology Services

End Uses
• Polyolefin and Chemical Manufacturing Processes

Owned or operated by LyondellBasell, its subsidiaries and/or joint ventures.