

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.

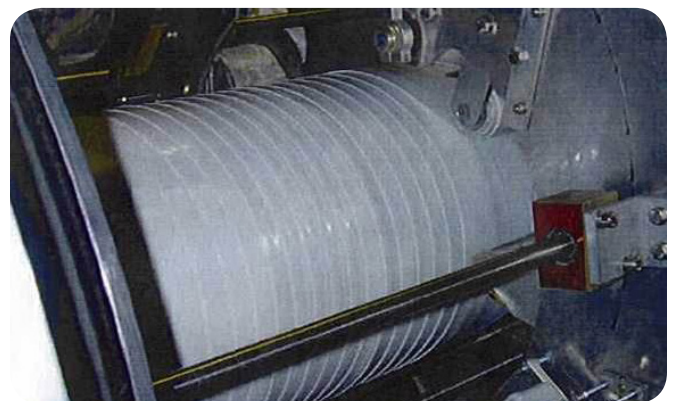
Features and Benefits

- ▮ 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.



Flame-spray System. Photo courtesy of Eupec France



Tape-wrap System. Photo courtesy of PIH - Burnley (UK)

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

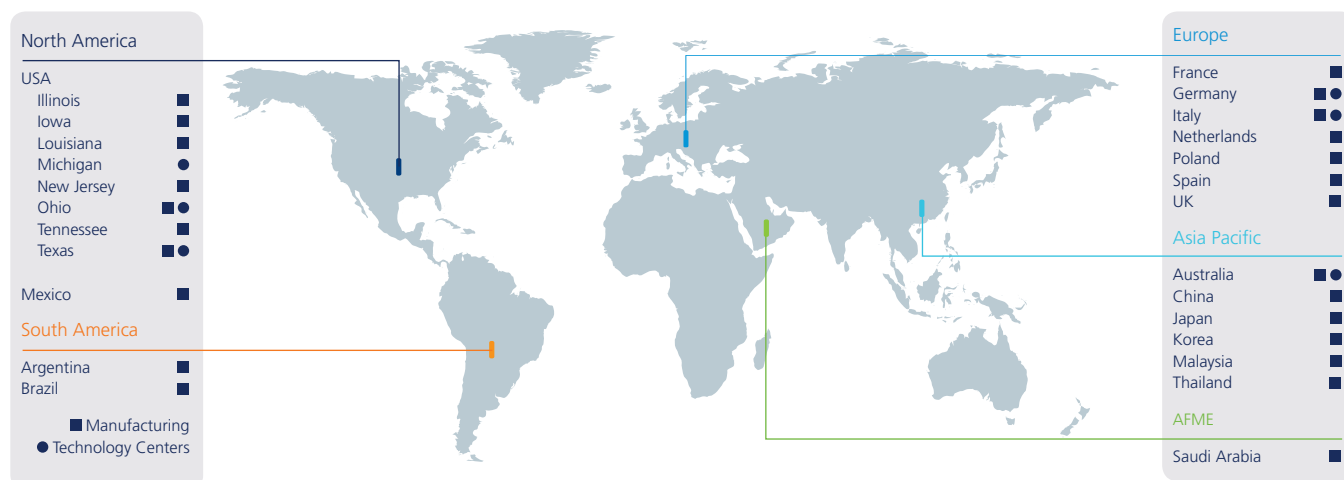
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About LyondellBasell

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.

Global Reach



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

Our Product Lines And The End Markets We Serve...

Olefins & Polyolefins	Intermediates & Derivatives	Refining	Technology
<p>– Americas – Europe, Asia & International</p>			
<p>Key Products</p> <ul style="list-style-type: none"> Ethylene Propylene Polyethylene Polypropylene Catalloy Process Resins Polypropylene Compounds Polybutene-1 	<p>Key Products</p> <ul style="list-style-type: none"> Propylene Oxide Styrene Monomer PG and PGE Acetyls Oxyfuels Ethylene Oxide EG and EOD 	<p>Key Products</p> <ul style="list-style-type: none"> Gasoline Diesel Olefins Feed 	<p>Key Products</p> <ul style="list-style-type: none"> Process Licensing Catalyst Sales Technology Services
<p>End Uses</p> <ul style="list-style-type: none"> Food Packaging Textiles Automotive Appliances Films Flexible Piping 	<p>End Uses</p> <ul style="list-style-type: none"> Insulation Home Furnishings Adhesives Consumer Products Coatings 	<p>End Uses</p> <ul style="list-style-type: none"> Automotive Fuels Aviation Fuels Heating Oil Industrial Engine Lube Oils 	<p>End Uses</p> <ul style="list-style-type: none"> Polyolefin and Chemical Manufacturing Processes