

Hostalen PP H2150-RC

Excellence without compromise

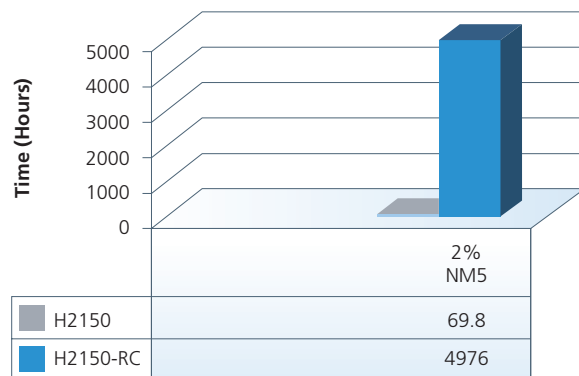
Hostalen PP H2150-RC is a new generation of polypropylene (PP) homopolymer that offers excellence without compromise, being appreciated by customers due to its outstanding creep resistance, environmental stress-cracking resistance (ESCR) and equivalent or superior performance when compared to the current industry benchmark *Hostalen* PP H2150.

This new grade is also used by customers looking for higher sheet stability during processing, big-diameter pipe stability and lower sagging, resulting in applications with outstanding properties in terms of creep and durability (stress cracking).

Outstanding performance

Hostalen PP H2150-RC shows more than 70 times higher creep resistance under pressure than *Hostalen* PP H2150.

Not 70%, more than **70 TIMES** better creep resistance



FNCT according to EN12814-3/DVS2203-4. Test conditions: 90°C / 4.0 MPa – NM5 2%. Outstanding performance vs. standard *Hostalen* PP H2150. Data Source: Hessel Ingenieurtechnik, Report N° R14 01 2348.

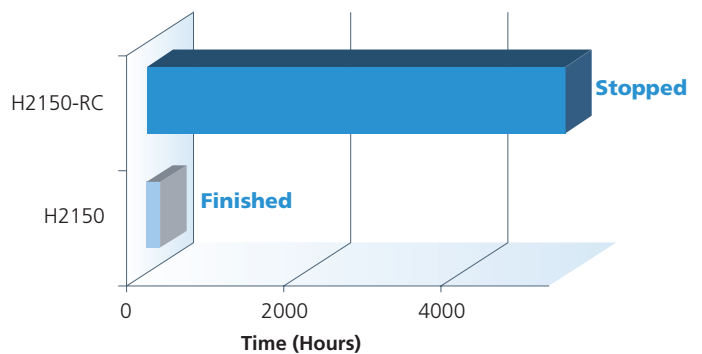
Spherizone technology

The use of 1-Hexene as co-monomer is well known in polyethylene (PE), but it had never been used commercially for PP because of its low reactivity.

The uniqueness of LyondellBasell's proprietary *Spherizone* production process has allowed 1-Hexene copolymerization in PP and it is now a commercial reality with *Hostalen* PP H2150-RC.

Features and Benefits

- ▮ Increased creep resistance (FNCT)
- ▮ Outstanding ESCR
- ▮ More stable flow at higher extrusion speed
- ▮ Higher melt strength



Tensile creep on butt welded joints, welded according to DVS2207-11. Test conditions: 90°C / 4.0 MPa - NM5 2%. Outstanding performance vs. standard *Hostalen* PP H2150. Data Source: Hessel Ingenieurtechnik, Report N° R14 01 2348.

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

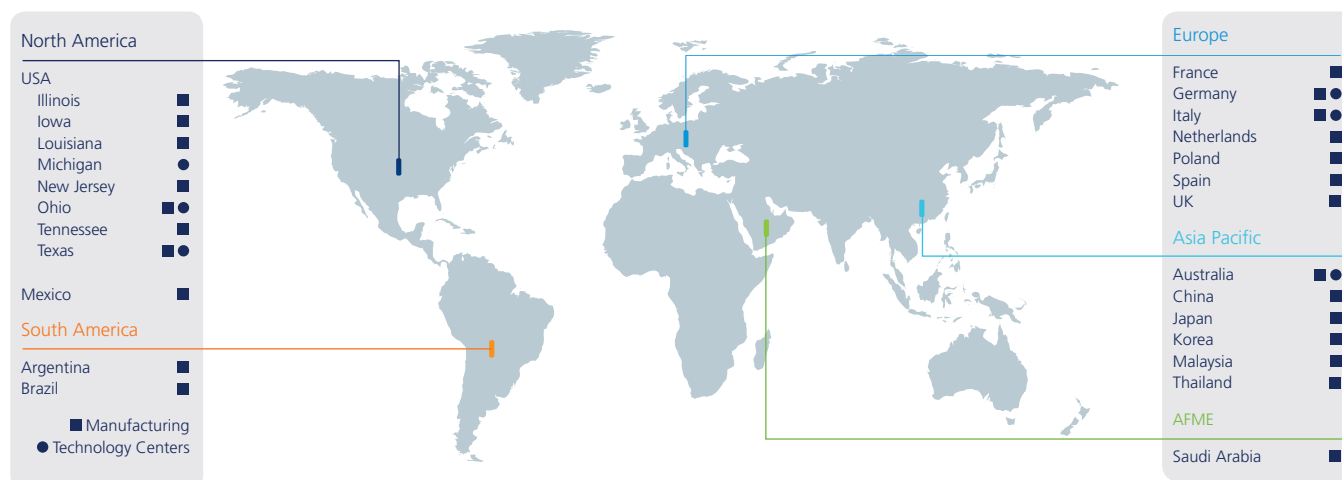
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About LyondellBasell

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
 – 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
- Acetyls
- 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