

Moplen RP398T

New developmental injection molding resin offers better clarity and processability for thin-walled packaging

Moplen RP398T sets a new benchmark in injection molding by offering an excellent combination of high transparency, ease of processing and organoleptic performance, which appeals to both our customers and consumers.

The main applications for Moplen RP398T are thin walled food packaging products such as housewares and reusable containers, which require appealing aesthetic design and low odor.

Moplen RP398T provides a balance of excellent transparency and superior organoleptic performance, resulting in a new benchmark in random copolymer performance.

Good flowability and the latest generation of nucleating additive package used within Moplen RP398T offer the potential for additional processing improvements and reduced cycle times which help to increase productivity.

Customer trials revealed that compared with other high flow random copolymers, Moplen RP398T exhibited significant improvements in taste and odor performance, which is an essential requirement for food packaging.



The Amazing Features of Moplen RP398T

- Optimal aesthetics
- Very good flowability
- Nucleating additive
- Antistatic Performance

The Amazing Benefits of Moplen RP398T

- High transparency
- Excellent taste and odor performance* for food packaging
- Potential to increase productivity owing to shorter cycle time

*It is the responsibility of the manufacturers of the finished food contact material or article to verify that the finished material or article, manufactured according to good manufacturing practices, does not modify the organoleptic properties of the food.

Potential Customer Applications

- Food containers
- Transparent packaging
- Reusable containers
- Housewares
- Sports, leisure and toys

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Moplen RP398T Resin Properties

Properties	Method	Moplen RP398T
Physical		
MFR (g/10min)	ISO 1133	45
Rigidity		
Tensile Modulus (MPa)	ISO 527 -1, -2	1050
Impact		
Charpy (notched @ 23°C; kJ/m ²)	ISO 179-1A	4.5
Charpy (notched @ 0°C; kJ/m ²)	ISO 179-1A	2.5
Optical		
Haze on 1mm plaque (%)	ISO 14782	10

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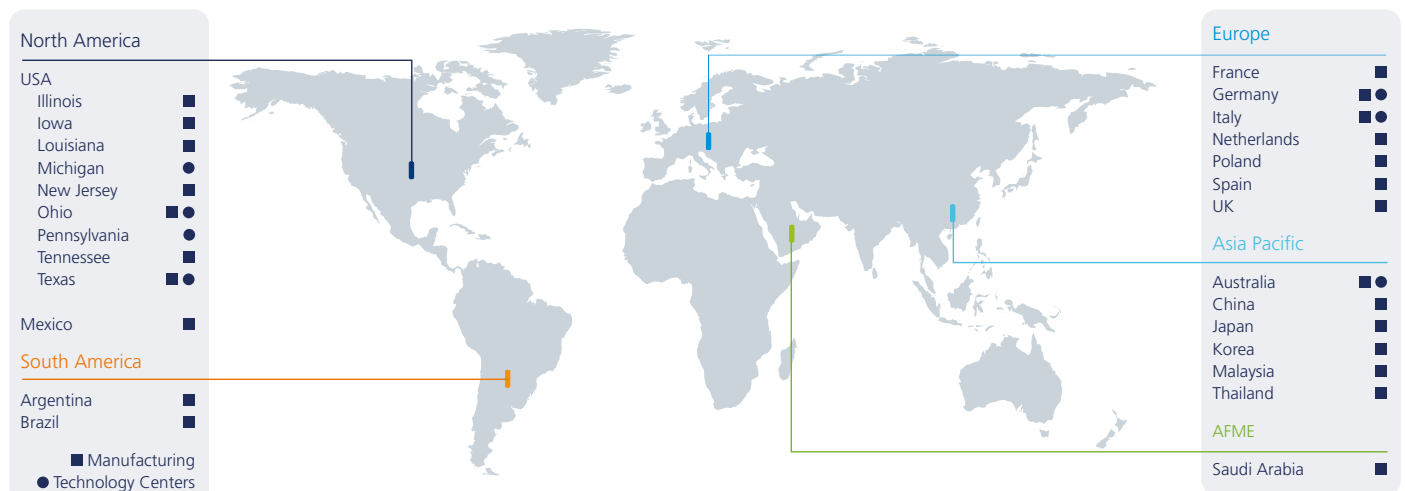
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LyondellBasell is one of the world's largest plastics, chemical and refining companies. We are the largest producer of polypropylene and polypropylene compounds; a leading producer of propylene oxide, polyethylene, ethylene and propylene; a global 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



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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
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