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Metocene PP Technology

LyondellBasell's unique *Metocene* PP technology is an add-on to the existing polypropylene process technology. It significantly extends the performance envelope of PP by using single-site catalysts. Although the technology was developed for use with our world-class *Spheripol* process, it can be adapted to other processes as well.

The technology enables very advanced tailoring of product properties to address specific application needs. Our *Metocene* technology can be used to produce outstanding resins for customer applications traditionally the domain of engineering polymers.

Metocene PP technology licensing packages are tailored to address the needs of individual licensees and can include intellectual property rights, process upgrades, technical and product information as well as single-site catalyst systems.

Our *Metocene* PP technology is currently being used at LyondellBasell plants located in Europe and North America. So far, we have implemented the *Metocene* PP technology on four *Spheripol* process lines and a gas phase plant.

Key Characteristics

- Enables production of reactor grades with differentiated property characteristics. Can be used in combination with various metallocene catalysts
- Is flexible with respect to plant utilization rates
- Can be implemented on both, existing and newly built plants
- Low investment costs
- Dedicated support available during project implementation, start-up, operation and optimisation for *Metocene* licenses
- Addresses all major product fields like homopolymers, random copolymers and heterophasic copolymers
- *Metocene*-based polypropylene grades can be used to produce applications such as film, fibre and injection molded items

For further information, please [contact us](#).

Spheripol and *Metocene* are trademarks owned or used by LyondellBasell group companies.

Related Information

LyondellBasell's *Metocene* PP technology selected by PolyMirae, Korea

Highlights

Technology for the production of speciality PP products using single-site catalyst systems

Implementation into existing and newly built plants
Applicable to *Spheripol* and to other PP processes
Use of single-site catalysts
Added value products for many applications
Strong variability of properties within an extended performance range