



Pearlthane® & Pearlcoat® - TPU

Pearlthane® & Pearlcoat® are TPU Elastomers manufactured by Merquinsa who also produce a Bio TPU product family: Pearlthane® ECO, which is manufactured from renewable sources as a commitment to environmental protection and the reduction of greenhouse gas emissions.

Pearlthane® is designed for the injection molding and extrusion markets, while Pearlcoat® TPU is for melt coating and calendaring applications.

With its differentiated and proprietary TPU technologies, Merquinsa serves the most technically demanding segments of the market offering innovative aromatic and aliphatic thermoplastic polyurethane (TPU) resins globally, from Shore A 70 up to Shore D 77 hardness.

Pearlthane® and Pearlcoat® TPU benefits are valued in numerous applications:

- **Injection molding** - Automotive, sport & leisure, technical parts, animal ID tags, seals, electronics & consumer products.
- **Extrusion** - Barrier films, adhesive films, decorative films, breathable films, timing belts, transmission belts, pneumatic tubing, Hoses, cables.
- **Calendaring** - Performance fabrics, inflatable items, life jackets, conveyor belts.
- **Compounding** - Specialty blends with TPEs and Engineering plastics. Carriers for color and additives mater batches.

Pearlthane® and Pearlcoat® TPU grades exhibit an outstanding balance of properties:

- Excellent abrasion and scratch resistance
- High tensile, compressive and tear properties
- Very good flexibility and impact properties at low temperature
- Good oil and fuel resistance
- Fast cycling for lower part cost
- Adhesion to polar substrates for molding applications
- Transparency
- Recyclability

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