

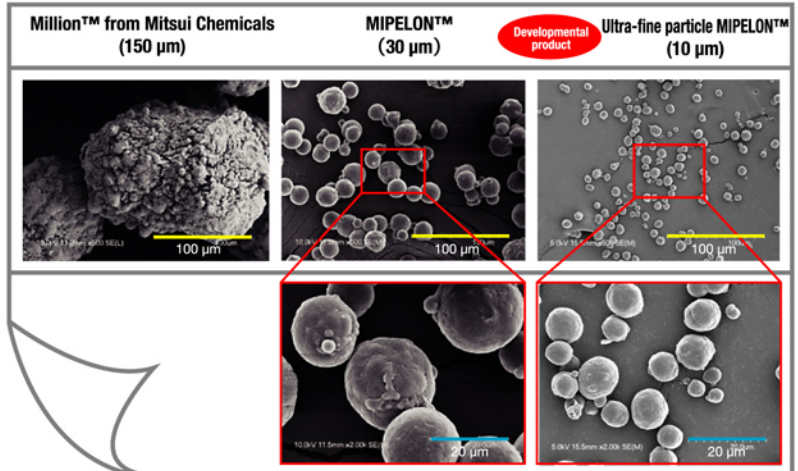
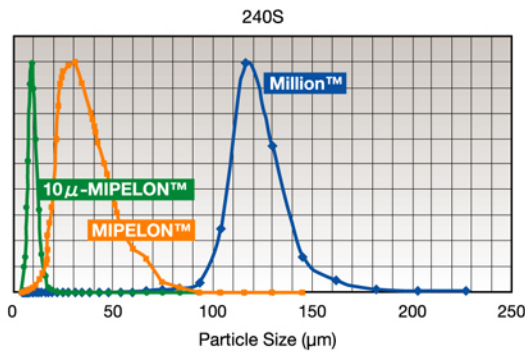
MIPELON™

MIPELON™ is an Ultra-High Molecular Weight Polyethylene, processed into spherical powder using the finest particle control technologies of Mitsui Chemicals. MIPELON™ is a highly effective modifier with "Superb Lubrication" and "Wear Resistance".

Features of MIPELON™

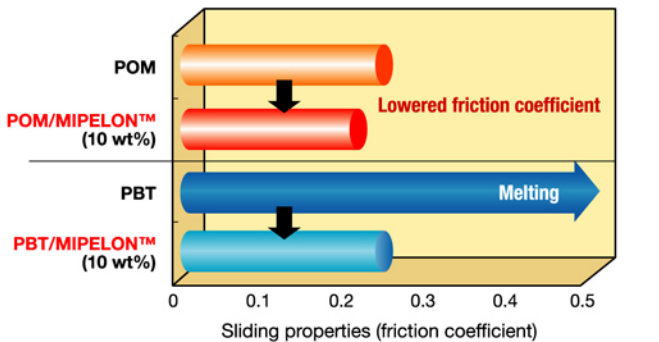
● Spherical particles

Spherical and very fine particle



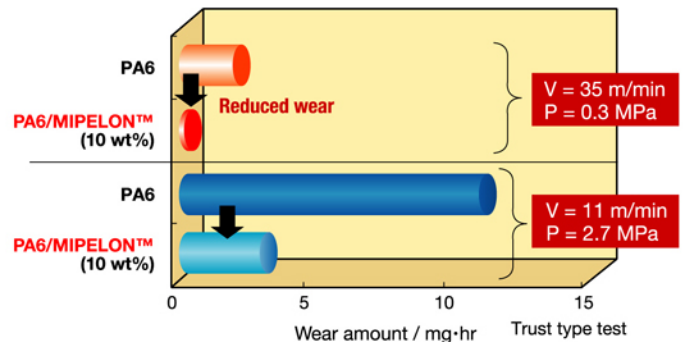
● Excellent sliding properties & wear resistance

Improves sliding properties.



Conditions: tested on SUS306; speed: 10 cm·s⁻¹; pressure: 1 MPa

Reduction of wear

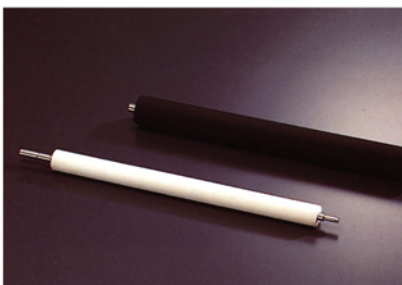


Conditions: tested on S45C; 0.74 MPa, 50 cm/s, 3 km

MIPELON™ Applications

Resin & rubber modification

Improves sliding properties of polyacetal, nylon, and various rubbers.



Resin & rubber modification

High-performance sliding materials

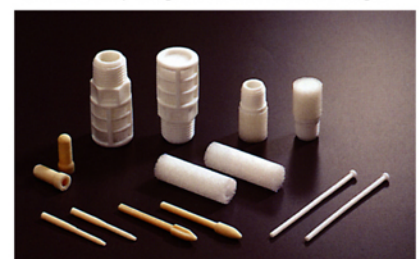
Thanks to the fine particle size of MIPELON™, large amounts of solid lubricant fillers are readily dispersed.



Sliding materials

Filters and other parts

- Microporous structures can be formed by sintering.
- Added as a matting agent and to improve surface-slip of greases, inks & coatings.



Filters