

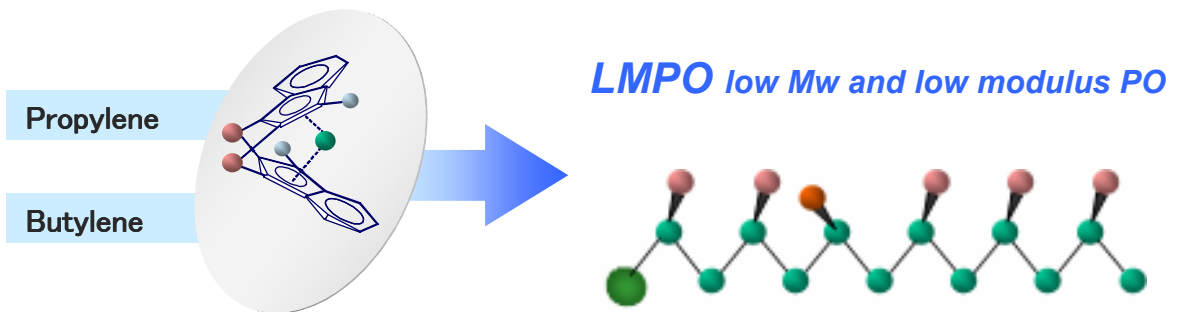
Based on IDEMITSU Metallocene Catalyst Tech.

Low Mw and Low Modulus Polyolefin

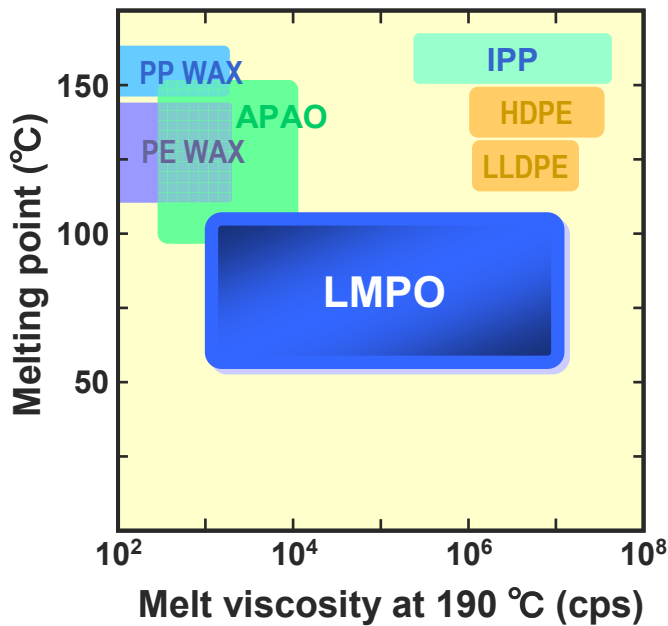
LMPO

DEVELOPMENTAL PRODUCT

New polyolefin by IDEMITSU



New region of polyolefin



Application ideas

- Hot-melt Adhesive
- Resin Modifier
- Elastic Non-Woven
- Pigments-dispersing Agent

LMPO gives new region of PO properties by using New Single Site Catalyst.

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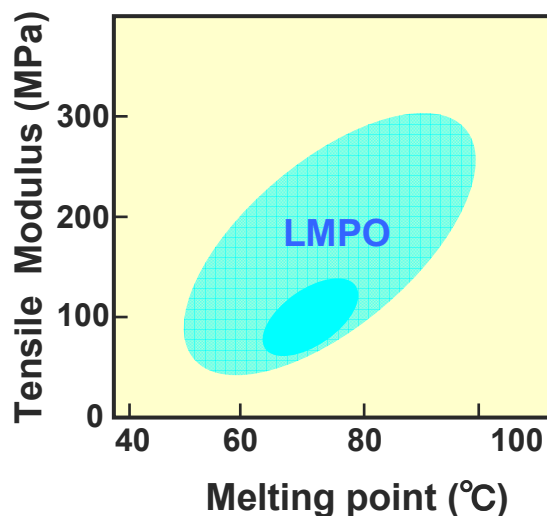
DEVELOPMENTAL PRODUCT

For Hot-melt Adhesive, PSA, Resin Modifier, and Pigments-dispersing Agent... etc.

Excellent Properties

- High heat-stability
- Not sticky
- Soft
- Soluble in various solvents
- Low melt-viscosity
- Compatible with PP
- Odorless
- Colorless and transparent

Modulus - Melting Point



Based on IDEMITSU Stereo-regularity Control Tech.

Low Mw and Low Modulus Polyolefin

LMPO

DEVELOPMENTAL PRODUCT

Typical properties

	LMPO X400S	LMPO X600S	LMPO X900S
Density (kg ³ /m)	870	870	870
Melting point (°C)	70	70	70
Molecular weight	45,000	70,000	110,000
Molecular Weight distribution	2	2	2
Tensile modulus (MPa)	60	60	60
Elongation at break (%)	600	800	900
Melt viscosity at 190°C (cps)	7,000	40,000	*

* MFR=80g/110min.
(230°C, 2.16kg)

The typical data represented herein were measured under certain specific condition.

Melting property

High melt flow at relatively low temperatures

