

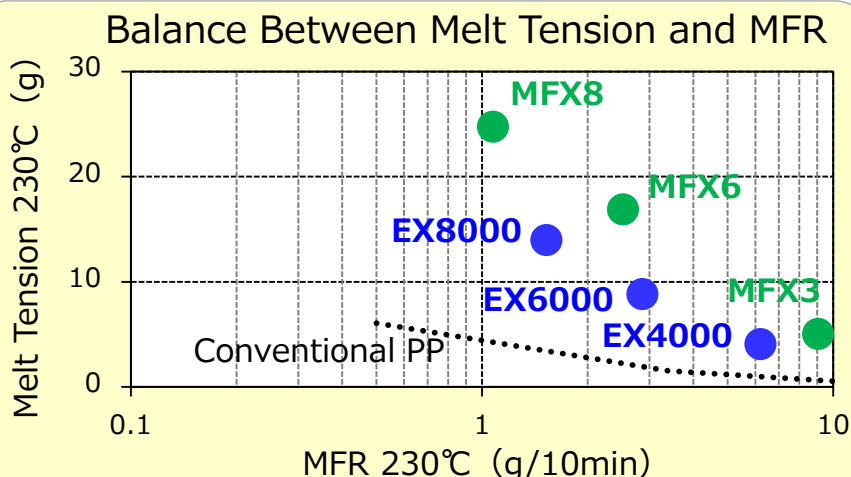
## Melt Properties

### High Melt Strength PP

- Excellent balance between melt tension and MFR
- Better strain hardening

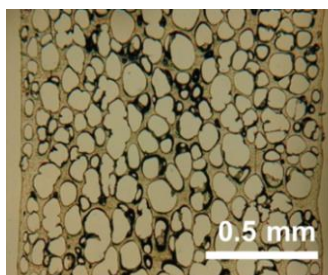
Compared to cross linked PP, WAYMAX™ has...

- Less gels
- Better recyclability
- Less odor



## Applications

### Extrusion Foaming



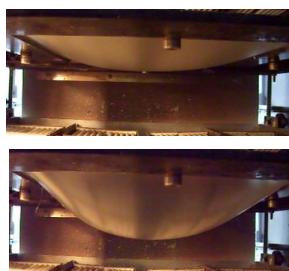
EX4000

MFX8

Conventional I PP

Enables to create fine and uniform cell structures. Less open cells are better for thermoforming.

### Thermoforming

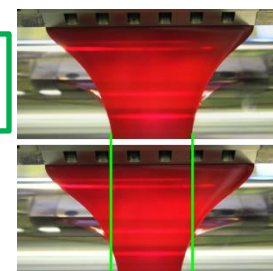


MFX3 Added

Conventional I PP

High melt strength enables to reduce heat sag. Can mold larger and complicated shapes.

### Film Modifier



Helps reduce neck-in of CPP film for more stable processing. Helps bubble stability for air blown film.

## Grade

### Grade Line-up for Various Applications

		MFX Series			EX Series		
		MFX8	MFX6	MFX3	EX8000	EX6000	EX4000
Modifier		Thermoforming		Film	Thermoforming		-
Expansion Ratio for Foam		High	High	Low	High	High	Low
MFR (230°C)	g/10min	1.0	2.5	9.0	1.5	2.5	6.0
Melt Tension 230°C	g	24	18	5	14	9	4
Tensile Modulus	MPa	1,900	2,000	1,900	1,500	1,600	1,500
Charpy Impact Strength (23°C)	kJ/m <sup>2</sup>	4	4	4	15	10	9

This data is based on accumulated experience and tests done at JPP's laboratory, and may not apply to final products produced under different conditions. We cannot guarantee that this data can be directly used for customer's final products or requirements, and therefore, it is the customer's own responsibility to test and judge the conformity and usage. In any case of using our products, we will not guarantee the conformity, marketability, and safety of the customer's final product. In any case of using our products, we will not guarantee that there are no infringements of third party's intellectual property rights, and it is the customer's responsibility to check these rights.