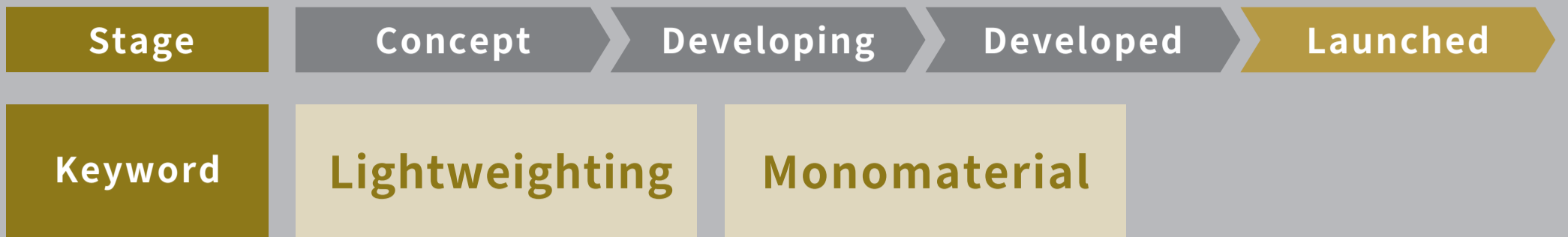


High Transparent Polypropylene (for Injection & Injection-Blow Molding)



Use Transparent bottle / Dessert Cup / Refrigerator drawer

Background

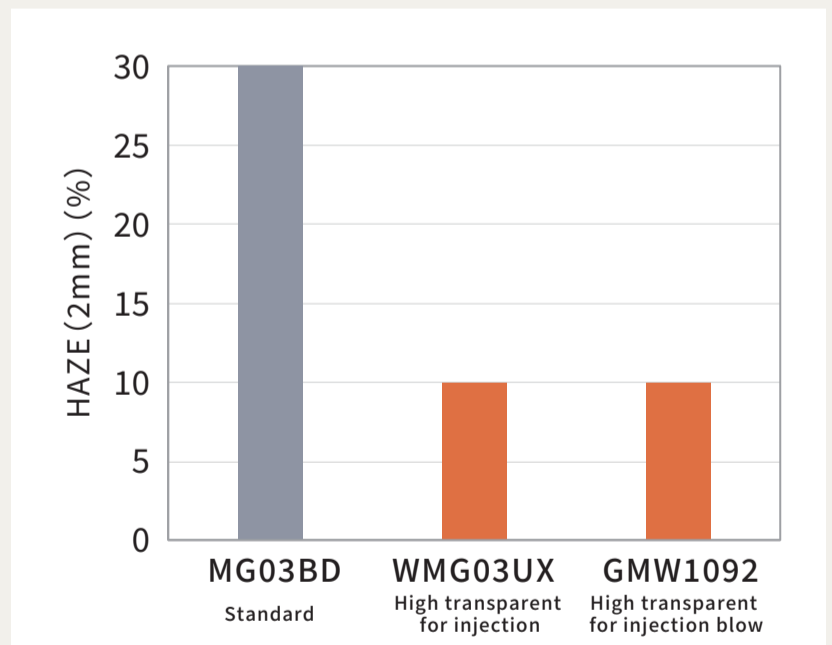
We have successfully developed highly transparent polypropylenes using a metallocene catalyst technology. Replacing other transparent polymers with these polypropylene helps to reduce plastic usage.

- WMG03UX [Substitution for GPPS] : Dessert Cup, Refrigerator drawer
- GNW1092 [Substitution for PET] : Transparent bottles for cosmetic & food packaging

Typical Material Properties

Transparency Comparison

		Transparent pp	GPPS	PET
Physical characteristic	Transparent	○	◎	◎
	Modulus	○	○	○
	Hear resistance	○	△	△
	Chemical resistance	○	△	△
	Moisture vapor barrier	○	×	△
	Oxygen barrier	○	○	◎
	Specific gravity	0.91	1.05	1.30



Properties

		MG03BD Standard	WMG03UX High Transparent PP for Injection	GNW1092 High Transparent PP for Injection-blow
MFR	g/10min	30	30	6
Flexural Modulus	MPa	1,350	1,450	950
Charpy Impact Strength	kJ/m ²	5	3.5	6.5
HAZE (2mm)	%	30	10	10