

# Solvent-soluble polylactic acid resins

Corporate  
Website  
Product  
information



## GX-1512-100(F) • GX-1513-100(F)

- ◆ **Amorphous polylactic acid resins** produced by our polymerization technology.
- ◆ **Soluble in organic solvents** such as aromatics, esters, and ketones
- ◆ These resins are **100% biomass-derived polymers** and are **biodegradable** under certain conditions.
- ◆ Applications : Ink, Paint, Plasticizer, Modifier for adhesives, Emulsion, Resin binder

Solution appearance (resin content 40%)  
※Supply form: Solid resin



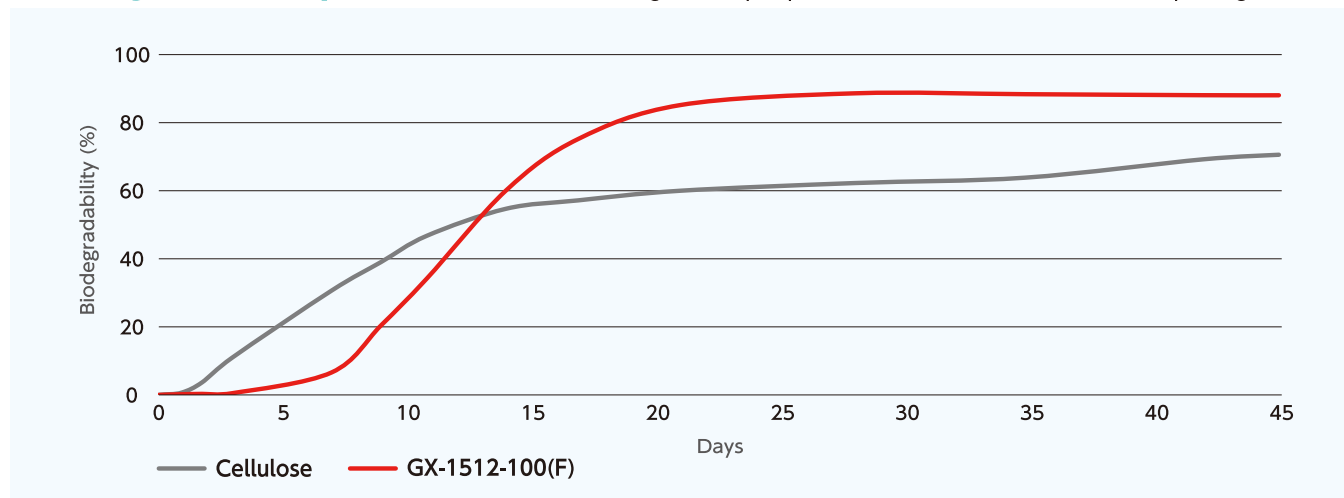
## General Properties and Solubility

		GX-1512-100(F)	GX-1513-100(F)
Form		Solid resin (light yellow)	Solid resin (light yellow)
Tg		About 57℃	About 52℃
Molecular weight (Mw)		About 110,000	About 20,000
Solubility (Resin content: 40%)	Toluene	Good	Good
	Ethyl acetate	Good	Good
	Methyl ethyl ketone	Good	Good
Characteristics		High molecular weight	Low molecular weight

※Dissolving conditions: Stirring at 40° C for 2 hours

## Biodegradability Evaluation

JIS K6953-2 (ISO 14855-2), Determination of the ultimate aerobic biodegradability of plastic materials under controlled composting conditions



※Temperature: 58±2℃, Equipment: MODA-CS

