

JH910

Introduction

YUCLAIR JH910, high density linear polyethylene, is an ethylene-butene copolymer with narrow molecular weight distribution. JH910 performs well in a wide range of various tote box, pails and crates application with excellent impact resistance, stiffness, warpage and processability.

Application / Use Case:

- Injection molding / Spray, Crate, Paint bottle

Properties

		Typical Values	Unit	Test Method
Resin	Density	0.962	g/cm ³	ASTM D792
Properties	Melt index (2.16 kg @190°C)	8.5	g/10min	ASTM D1238
Mechanical	Tensile strength at yield	260	kgf/cm ²	ASTM D638 ²
Properties¹	Tensile strength at break	100	kgf/cm ²	ASTM D638 ²
	Elongation at break	> 500	%	ASTM D638 ²
	Izod impact strength (Notched, 23 °C)	8.0	kg.cm/cm	ASTM D256
	Flexural modulus	12,000	kgf/cm ²	ASTM D790
Thermal	Vicat softening temperature	124	°C	ASTM D1525
Properties	Brittleness temperature	< -80	°C	ASTM D746

¹ Evaluated using Injection molded sample

² Crosshead speed: 50 mm/min

Notes

These are **typical values** and are **not be construed as specifications**. The physical properties are highly dependent on the manufacturing conditions. So customers should confirm performances by their own tests.

