Technical Information

JG910

Introduction

YUCLAIR JG910, high density linear polyethylene, is an ethylene-butene copolymer with narrow molecular weight distribution. JG910 performs well in a wide range of various injection molding application with excellent impact resistance, stiffness, warpage and processability.

Application / Use Case:

- Injection molding

Properties

		Typical Values	Unit	Test Method
Resin Properties	Density	0.963	g/cm^3	ASTM D792
	Melt index (2.16 kg @190°C)	5.0	g/10min	ASTM D1238
Mechanical Properties[1]	Tensile strength at yield	260	kgf/cm^2	ASTM D638[2]
	Tensile strength at break	130	kgf/cm^2	ASTM D638[2]
	Elongation at break	> 500	%	ASTM D638[2]
	Izod impact strength (Notched, 23 °C)	10	kg.cm/cm	ASTM D256
	Flexural modulus	10,000	kgf/cm^2	ASTM D790
Thermal Properties	Vicat softening temperature	124	°C	ASTM D1525
	Brittleness temperature	< -70	°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.

For additional sales, order and technical assistance

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Revised: Jun. 23th, 2020

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