

CA100

Introduction

YUCLAIR CA100, low density linear polyethylene, is an ethylene-butene copolymer. Excellent mechanical and thermal properties make these resin an ideal choice for extrusion coating. CA100 has better processability with LDPE.

Application / Use Case:

- Extrusion coating

Properties

		Typical Values	Unit	Test Method
Resin	Density	0.919	g/cm ³	ASTM D792
Properties	Melt index (2.16 kg @190°C)	7.0	g/10min	ASTM D1238
Mechanical	Tensile strength at yield	101	kgf/cm ²	ASTM D638 ²
Properties¹	Tensile strength at break	150	kgf/cm ²	ASTM D638 ²
	Elongation at break	> 500	%	ASTM D638 ²
Thermal	Vicat softening temperature	88	°C	ASTM D1525
Properties	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.

