

# CA119

## Introduction

YUCLAIR CA119, low density linear polyethylene, is an ethylene-butene copolymer. Excellent mechanical and thermal properties make these resin an ideal choice for extrusion coating.

Application / Use Case:

- Extrusion coating

## Properties

		Typical Values	Unit	Test Method
<b>Resin</b>	Density	0.921	g/cm <sup>3</sup>	ASTM D792
<b>Properties</b>	Melt index (2.16 kg @190°C)	12	g/10min	ASTM D1238
<b>Mechanical</b>	Tensile strength at yield	110	kgf/cm <sup>2</sup>	ASTM D638 <sup>2</sup>
<b>Properties<sup>1</sup></b>	Tensile strength at break	130	kgf/cm <sup>2</sup>	ASTM D638 <sup>2</sup>
	Elongation at break	> 500	%	ASTM D638 <sup>2</sup>
<b>Thermal</b>	Vicat softening temperature	85	°C	ASTM D1525
<b>Properties</b>	Brittleness temperature	< -70	°C	ASTM D746

<sup>1</sup> Evaluated using Injection molded sample

<sup>2</sup> 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.

