

MM810

Introduction

YUCLAIR MM810, high density linear polyethylene, is an ethylene-butene copolymer with narrow molecular weight distribution. MM810 performs well in a wide range of various fiber application with excellent spinnability and color stability.

Application / Use Case:

- Fiber / Bicomponent

Properties

		Typical Values	Unit	Test Method
Resin	Density	0.954	g/cm ³	ASTM D792
Properties	Melt index (2.16 kg @190°C)	30	g/10min	ASTM D1238
Mechanical	Tensile strength at Yield	230	kgf/cm ²	ASTM D638 ²
Properties¹	Elongation at break	> 300	%	ASTM D638 ²
	Izod impact strength (Notched, 23 °C)	6.0	kg.cm/cm	ASTM D256
	Flexural modulus	7,000	kgf/cm ²	ASTM D790
Thermal	Vicat softening temperature	120	°C	ASTM D1525
Properties				

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.

