

HDPE 8300

YUZEX 8300 is a high-density polyethylene resin with narrow molecular weight distribution. So it shows high tenacity, stiffness and very good drawability. YUZEX 8300 is suitable for blending with PE products to improve stiffness and barrier properties. YUZEX 8300 gives minimum die drool and excellent thermal stability due to its excellent antioxidant.

Application / Use Case

Blown film, Packaging film, Stand-up pouches, Multilayer packaging film, etc.

Characteristic

Extensibility, Processability

Physical Properties

	Value	Unit	Test Method
Density	0.963	g/cm ³	ISO 1183-1
Melt Index	0.70	g/10min	ISO 1133-1
Film Thickness	10	μm	ISO 4591
Tensile Strength at Yield(MD)	28	MPa	ISO 527-3
Tensile Strength at Yield(TD)	41	MPa	ISO 527-3
Tensile Strength at Break(MD)	52	MPa	ISO 527-3
Tensile Strength at Break(TD)	47	MPa	ISO 527-3
Elongation at Break(MD)	470	%	ISO 527-3
Elongation at Break(TD)	715	%	ISO 527-3
Dart Impact Strength	< 66	g	ISO 7765-1
Haze	46	%	ISO 14782
Elmendorf Tear Strength(MD)	< 1	g/μm	ISO 6383-2
Elmendorf Tear Strength(TD)	17	g/μm	ISO 6383-2
Softening Point(Vicat)	124	°C	ISO 306

● Notes:

1. Film Extrusion Condition: Screw Diameter 50mm Φ / Die Diameter: 750mm / Die Gap: 1.0mm
Temp: Screw 170-190-200°C / Die 200-200°C

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