

# 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.

## Properties

Extensibility, Processability

## Specification

	Specification	Unit	Test Method
Density	0.963	g/cm <sup>3</sup>	ASTM D1505
Melt Index	0.70	g/10min	ASTM D1238

## Physical Properties

	Value	Unit	Test Method
Film Thickness	10	μm	ASTM D374
Tensile Strength at Yield(MD)	290	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Yield(TD)	415	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Break(MD)	530	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Break(TD)	480	kg/cm <sup>2</sup>	ASTM D882
Elongation at Break(MD)	470	%	ASTM D882
Elongation at Break(TD)	715	%	ASTM D882

ISO 9001 Certified



Dart Impact Strength	<66	g	ASTM D1709
Haze	46	%	ASTM D1003
Elmendorf Tear Strength(MD)	<1	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	17	g/μm	ASTM D1922
Flexural Modulus	12000	kg/cm <sup>2</sup>	ASTM D790
Brittleness Temperature	<-80	°C	ASTM D746
Softening Point(Vicat)	124	°C	ASTM D1525

● **Notes:**

Film Extrusion Condition: Screw Diameter 50mmΦ / 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.

