

HDPE 3301

YUZEX 3301 is a high-density polyethylene resin with narrow molecular weight distribution. So it shows high tenacity, stiffness and very good drawability. YUZEX 3301 gives minimum die drool and excellent thermal stability because of its well designed antioxidant package.

Application / Use Case

MDO Film / Mono Filament / band, fishing net, rope, woven bags

Specification

	Specification	Unit	Test Method
Density	0.955	g/cm ³	ASTM D1505
Melt Index	0.80	g/10min	ASTM D1238

Physical Properties

	Value	Unit	Test Method
Film Thickness	10	μm	ASTM D374
Tensile Strength at Yield(MD)	310	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	330	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	430	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	320	kg/cm ²	ASTM D882
Elongation at Break(MD)	460	%	ASTM D882
Elongation at Break(TD)	590	%	ASTM D882
Dart Impact Strength	<66	g	ASTM D1709
Haze	40	%	ASTM D1003



Elmendorf Tear Strength(MD)	<1	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	8	g/μm	ASTM D1922
Hardness	D63	Shore D	ASTM D2240
Flexural Modulus	9000	kg/cm ²	ASTM D790
Brittleness Temperature	<-80	°C	ASTM D746
Softening Point(Vicat)	123	°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.

