

HDPE 8800S

YUZEX 8800S provides stronger film than ones made from competitive HDPE film grades and this grade is bimodal type resin. Therefore YUZEX 8800S shows superior stability in film extrusion to that of competitive HDPE film resins and gives excellent appearance to its film. YUZEX 8800S has high molecular weight polymer and this make excellent mechanical properties compared with competitive HDPE film grades.

Application / Use Case

Film / Agriculture, Industrial, Shopping bags, Trash bags

Characteristic

Tear Strength, Impact Strength

Specification

	Specification	Unit	Test Method
Density	0.956	g/cm ³	ASTM D1505
Melt Index	0.048	g/10min	ASTM D1238

Physical Properties

	측정값	Unit	Test Method
Film Thickness	10	μm	ASTM D374
Tensile Strength at Yield(MD)	-	kg/cm ²	ASTM D882
Tensile Strength at Yield(TD)	300	kg/cm ²	ASTM D882
Tensile Strength at Break(MD)	630	kg/cm ²	ASTM D882
Tensile Strength at Break(TD)	520	kg/cm ²	ASTM D882
Elongation at Break(MD)	260	%	ASTM D882
Elongation at Break(TD)	590	%	ASTM D882

ISO 9001 Certified



Dart Impact Strength	<66	g	ASTM D1709
Haze	76	%	ASTM D1003
Elmendorf Tear Strength(MD)	<1	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	18	g/μm	ASTM D1922
ESCR	>600	hr	ASTM D1693
Flexural Modulus	10000	kg/cm ²	ASTM D790
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

