

# HDPE 8700K

YUZEX 8700 is high density polyethylene made for film production. YUZEX 8700 has excellent bubble stability, making it easy to manufacture thin rollback and glove films, and has the advantage of producing films with uniform thickness. At the same time, it has good processability and has high productivity compared to conventional film products. YUZEX 8700 is FDA approved.

## Application / Use Case

Film / High Speed Production

### Characteristic

Processability

### Specification

	Specification	Unit	Test Method
Density	0.956	g/cm <sup>3</sup>	ASTM D1505
Melt Index	0.065	g/10min	ASTM D1238

### Physical Properties

	측정값	Unit	Test Method
Film Thickness	10	μm	ASTM D374
Tensile Strength at Yield(MD)	400	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Yield(TD)	310	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Break(MD)	580	kg/cm <sup>2</sup>	ASTM D882
Tensile Strength at Break(TD)	520	kg/cm <sup>2</sup>	ASTM D882
Elongation at Break(MD)	280	%	ASTM D882
Elongation at Break(TD)	650	%	ASTM D882

ISO 9001 Certified



Dart Impact Strength	<66	g	ASTM D1709
Haze	67	%	ASTM D1003
Elmendorf Tear Strength(MD)	<1	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	22	g/μm	ASTM D1922
ESCR	>600	hr	ASTM D1693
Flexural Modulus	10000	kg/cm <sup>2</sup>	ASTM D790
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.

