Data Sheet

HDPE 8810

YUZEX 8810 provides stronger film than ones made from competitive HDPE film grades and this grade is bi-modal type resin. Therefore YUZEX 8810 shows superior stability in film extrusion to that of competitive HDPE film resins and gives excellent appearance to its film. YUZEX 8810 has high molecular weight polymer and this make excellent stiffness and mechanical properties such as tensile strength/impact strength.

Application / Use Case

Film / Large Blown Film, Industrial, Trash Basgs

Characteristic

Bubble Stability, Stiffness, Tear Strength, Impact Strength

Specification

	Specification	Unit	Test Method
Density	0.957	g/cm^3	ASTM D1505
Melt Index	0.037	g/10min	ASTM D1238

Physical Properties

	측정값	Unit	Test Method
Film Thickness	9	μm	ASTM D374
Tensile Strength at Yield(MD)	-	kg/cm^2	ASTM D882
Tensile Strength at Yield(TD)	370	kg/cm^2	ASTM D882
Tensile Strength at Break(MD)	740	kg/cm^2	ASTM D882
Tensile Strength at Break(TD)	650	kg/cm^2	ASTM D882

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Elongation at Break(MD)	230	%	ASTM D882
Elongation at Break(TD)	540	%	ASTM D882
Dart Impact Strength	66	g	ASTM D1709
Haze	77	%	ASTM D1003
Elmendorf Tear Strength(MD)	<1	g/μm	ASTM D1922
Elmendorf Tear Strength(TD)	14	g/μm	ASTM D1922
Flexural Modulus	10000	kg/cm^2	ASTM D790

- **Notes:**

Film Extrusion Condition: Screw Diameter 50mmΦ / Die Diameter: 750mm / Die Gap: 1.0mm

Temp: Screw 170-190-200℃ / Die 200-200℃

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