

# YUZEX® 8800

High Density Polyethylene

SK Global Chemical

Message:

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

General Information	
Features	Good Impact Resistance
	Good Tear Strength
	Pleasing Surface Appearance
	Ultra High Molecular Weight
Uses	Agricultural Applications
	Bags
	Film
	Industrial Applications

Physical	Nominal Value	Unit	Test Method
Density	0.956	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.048	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	> 600	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	22.6	MPa	
Break	29.4	MPa	
Tensile Elongation (Break)	> 500	%	ASTM D638
Flexural Modulus	981	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	124	°C	ASTM D1525

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