



Data Sheet  
Date Prepared:

## HDPE 8800

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.

### Application / Use Case

Film / agriculture, industrial, shopping bags, trash bags

### Characteristic

Tearing strength, Impact strength

### Specification

|            | Specification | Unit              | Test Method |
|------------|---------------|-------------------|-------------|
| Density    | 0.956         | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Index | 0.048         | g/10min           | ASTM D1238  |

### Physical Properties

|                                     | Value | Unit               | Test Method |
|-------------------------------------|-------|--------------------|-------------|
| Softening Point(Vicat)              | 124   | °C                 | ASTM D 1525 |
| Tensile Strength at Yield           | 230   | kg/cm <sup>2</sup> | ASTM D638   |
| Tensile Strength at Break           | 300   | kg/cm <sup>2</sup> | ASTM D638   |
| Elongation at Break                 | >500  | %                  | ASTM D638   |
| IZOD Impact Strength(Notched, 23°C) | NB    | kg cm/cm           | ASTM D256   |
| Flexural Modulus                    | 10000 | kg/cm <sup>2</sup> | ASTM D790   |
| ESCR                                | >600  | hr                 | ASTM D1693  |

These are typical properties only, and are not to be construed as specific limits.

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