

Producer: Titan Chemicals Corp. Bhd. / Malaysia

TITANZEX HF7000

Description: High density polyethylene for extrusion film.

Features:

- Excellent processability
- Excellent draw down capability
- High film strength and rigidity

Applications:

- Very thin reinforcing film
- Grocery bags
- Shopping bags
- Merchandize bags
- Disposal waste bags

| PROPERTIES | UNIT | TUPICAL VALUE ^(A) | ASTM METHOD ^(B) |
|--|--------------------|------------------------------|----------------------------|
| <u>Resin properties</u> | | | |
| Melt Index | g/10 min | 0.05 | D 1238 |
| Density | g/cm ³ | 0.953 | D 1505 |
| <u>Mechanical properties</u> ^(C) | | | |
| Tensile strength at Break MD/TD | kg/cm ² | 800/550 | D882 |
| Ultimate elongation MD/TD | % | 250/660 | D882 |
| 1% Secant modulus MD/TD | kg/cm ² | 13000/12000 | D882 |
| Elmendorf tear strength MD/TD | g/μm | 0.3/3 | D1922 |
| Dart drop impact | g/μm | 11 | D1709 |

^(A) - Values shown are typical and are not to be considered as specifications.

^(B) - ASTM test methods are latest under the Society's current procedures.

^(C) - Film properties are typical blown film of 17 microns extruded at 4:1 BUR.

Processing conditions:

Melt temperature: 180 - 240°C

BUR: 4:1

Frost line height: 7 - 12 times die diameter