

## SIDPEC EGYPTENE® HD 4602 FA HDPE Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

### Material Notes:

Applications: Strong film Trash bag Shopping bag Film properties were measured on 15 micron film extruded at a blow up ratio of 5:1, 8D neck height. Information provided by Interchim s.r.l., official distributor of Sidi Kerir Petrochemicals Co. (SIDPEC) Products

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SIDPEC-EGYPTENE-HD-4602-FA-HDPE-Film.php](http://www.lookpolymers.com/polymer_SIDPEC-EGYPTENE-HD-4602-FA-HDPE-Film.php)

| Physical Properties  | Metric                       | English                      | Comments   |
|----------------------|------------------------------|------------------------------|------------|
| Density              | 0.949 g/cc                   | 0.0343 lb/in <sup>3</sup>    | ISO 1872/1 |
| Thickness            | 15.0 microns                 | 0.591 mil                    |            |
| High Load Melt Index | 15 g/10 min<br>@Load 21.6 kg | 15 g/10 min<br>@Load 47.6 lb | ISO 1133   |

| Mechanical Properties              | Metric        | English   | Comments                  |
|------------------------------------|---------------|-----------|---------------------------|
| Film Tensile Strength at Yield, MD | 29.0 MPa      | 4210 psi  | ISO 1184                  |
| Film Tensile Strength at Yield, TD | 28.0 MPa      | 4060 psi  | ISO 1184                  |
| Film Elongation at Break, MD       | 350 %         | 350 %     | ISO 1184                  |
| Film Elongation at Break, TD       | 610 %         | 610 %     | ISO 1184                  |
| Dart Drop                          | 8.00 g/micron | 203 g/mil | Calculated from thickness |
| Dart Drop Test                     | 120 g         | 0.265 lb  | ASTM D1709                |
| Film Tensile Strength at Break, MD | 61.0 MPa      | 8850 psi  | ISO 1184                  |
| Film Tensile Strength at Break, TD | 48.0 MPa      | 6960 psi  | ISO 1184                  |

## Contact Songhan Plastic Technology Co.,Ltd.

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