



## LLDPE made via Spherilene Process



### Product data sheet **15YF8**

15YF8 is a hexane HP-LLDPE blown film grade for high performance applications. This resin Processes easier than conventional LLDPEs and has low gels.

**LLDPE: 15YF8**

**Density: 0.915**

**MFI:0.77**

#### Features



- High performance applications
- Heavy Duty

#### Applications



- Blown film grade

#### Additives



- THERMAL ANOTIOXIDANT
- ANTIBLOCKING AGENT
- SLIP AGENT

### Material properties (This data are typical values and are not to be construed as product specifications.)

70

| Resin properties                                                                           | Unit     | Typical values |           | ASTM Method |
|--------------------------------------------------------------------------------------------|----------|----------------|-----------|-------------|
| Melt Index                                                                                 | (g/10')  | 0.77           |           | D 1238      |
| Density                                                                                    | (g/ml)   | 0.9150         |           | D 1505      |
| Film properties @                                                                          |          |                |           |             |
| Dart Impact                                                                                | (g)      |                | 150       | D 1709      |
| Elmendorf Tear                                                                             | (g)      | MD/TD          | 170/510   | D 1922      |
| Tensile strenght at yield                                                                  | (MPa)    | MD/TD          | 12.5/13.4 | D 882       |
| Tensile strength at break                                                                  | (MPa)    | MD/TD          | 35/33     | D 882       |
| Ultimate elongation                                                                        | (%)      | MD/TD          | 700/860   | D 882       |
| 2% Secant modulus                                                                          | (MPa)    | MD/TD          | 190/220   | D 882       |
| Haze                                                                                       | (%)      |                | 18        | D 1003      |
| Gloss 45°                                                                                  |          |                | 45        | D 2457      |
| @ 25 micron film obtained on Collin 25 B.u.R 2.5:1 Temp profile 155 → 190 °C, melt 200 °C. |          |                |           |             |
| Recommended procssing conditions                                                           |          |                |           |             |
| Melt Temperature                                                                           | ( °C)    | 200-240        |           |             |
| Blow up ratio                                                                              |          | 2.0-3.5        |           |             |
| Die Gap                                                                                    | (mm)     | 2.0-2.5        |           |             |
| Thickness                                                                                  | (micron) | 18-180         |           |             |