

## DATASHEET

### ASTM Property



|                |       |
|----------------|-------|
| <b>Grade</b>   | UL714 |
| <b>Product</b> | LLDPE |

#### General Information

##### Key Features

- For Injection Molding
- Good processability, Good mechanical properties

##### Applications

Housewares, Closures for containers, Tarpaulin Extrusion Coating

| Item                                 | Measuring Method | Unit                | Value |
|--------------------------------------|------------------|---------------------|-------|
| <b>Physical</b>                      |                  |                     |       |
| Melt Flow Index                      | ASTM D1238       | g/10min             | 16.0  |
| Density                              | ASTM D1505       | g/cm <sup>3</sup>   | 0.924 |
| <b>Mechanical</b>                    |                  |                     |       |
| Tensile Stress (Yield)               | ASTM D638        | kgf/cm <sup>2</sup> | 105   |
| Tensile Strain (Break)               | ASTM D638        | %                   | ≥500  |
| Flexural Modulus                     | ASTM D790        | kgf/cm <sup>2</sup> | 3,500 |
| <b>Impact</b>                        |                  |                     |       |
| Izod Impact Strength(notched) (23°C) | ASTM D256        | kgf·cm/cm           | NB    |
| <b>Thermal</b>                       |                  |                     |       |
| VICAT Softening Temperature          | ASTM D1525       | °C                  | 94    |
| <b>Additional Properties</b>         |                  |                     |       |
| Hardness (Shore D)                   | ASTM D2240       | D scale             | 45    |
| ESCR                                 | ASTM D1693       | F50hr               | >150  |

1. Physical Properties : these are not to be construed as specifications
2. ISO 9001, 14001, /TS 16949

\* The last update date : 2021/10/01