

SABIC® LLDPE M13024T

LINEAR LOW DENSITY POLYETHYLENE
REGION ASIA

DESCRIPTION

SABIC® M13024T is a Linear Low Density Polyethylene grade for injection molding applications. It has been designed to give good flow properties with low temperature toughness, stress crack resistance and high gloss.

TYPICAL APPLICATIONS

Housewares, trash cans, lids for large industrial containers, automotive parts. masterbatch/compounding.

TYPICAL PROPERTY VALUES

| PROPERTIES | TYPICAL VALUES | UNITS | TEST METHODS |
|-----------------------------------------------|----------------|-------------------|--------------|
| POLYMER PROPERTIES | | | |
| Melt Flow Rate (MFR) | | | |
| at 190°C and 2.16 kg | 13 | g/10 min | ASTM D1238 |
| DENSITY AT 23°C | | | |
| | 924 | kg/m ³ | ASTM D1505 |
| MECHANICAL PROPERTIES | | | |
| Izod Impact unnotched at 23 °C ⁽¹⁾ | 500 | J/m | ASTM D256 |
| FILM PROPERTIES | | | |
| Tensile Properties | | | |
| stress at yield | 10 | MPa | ASTM D638 |
| stress at break | 12 | MPa | ASTM D638 |
| elongation at break | >600 | % | ASTM D638 |
| THERMAL PROPERTIES | | | |
| Vicat Softening Temperature | | | |
| Rate B/50 | 91 | °C | ASTM D1525 |

(1) Based on injection molded specimens.

PROCESSING CONDITIONS

Typical processing conditions for M13024T are:

Barrel temperature: 190 - 230°C

Mold temperature: 15 - 60°C

Injection pressure: 600 -1000 Bar