

## SABIC® LLDPE M200024T

LINEAR LOW DENSITY POLYETHYLENE  
REGION ASIA

### DESCRIPTION

SABIC® M200024T 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

Revision 20240830

| PROPERTIES                         | TYPICAL VALUES | UNITS    | TEST METHODS |
|------------------------------------|----------------|----------|--------------|
| <b>POLYMER PROPERTIES</b>          |                |          |              |
| <b>Melt Flow Rate (MFR)</b>        |                |          |              |
| @ 190°C & 2.16 kg                  | 20             | g/10 min | ASTM D1238   |
| Density at 23°C                    | 924            | kg/m³    | ASTM D1505   |
| <b>MECHANICAL PROPERTIES</b>       |                |          |              |
| <b>Tensile test <sup>(1)</sup></b> |                |          |              |
| stress at yield                    | 10             | MPa      | ASTM D638    |
| stress at break                    | 12             | MPa      | ASTM D638    |
| <b>Tensile test</b>                |                |          |              |
| elongation at break                | >500           | %        | ASTM D638    |
| Izod Impact unnotched at 23 °C     | 500            | J/m      | ASTM D256    |
| <b>THERMAL PROPERTIES</b>          |                |          |              |
| <b>Vicat Softening Temperature</b> |                |          |              |
| Rate B/50                          | 92             | °C       | ASTM D1525   |
| Brittleness Temperature            | <-75           | °C       | ASTM D746    |

(1) Based on injection molded specimens.

### PROCESSING CONDITIONS

Typical processing conditions for M200024T are:  
Barrel temperature: 190 - 230°C, Mold temperature: 15 - 60°C, Injection pressure: 600 -1000 Bar

### FOOD REGULATION

Please contact the local sales / Technical representative for details.

### STORAGE AND HANDLING

Polyethylene resin should be stored in a manner to prevent a direct exposure to sunlight and/or heat. The storage area should also be dry and preferably do not exceed 50°C. SABIC would not give warranty to bad storage conditions which may lead to quality deterioration such as color change, bad smell and inadequate product performance. It is advisable to process PE resin within 6 months after delivery.

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