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LLDPE M200024T

LINEAR LOW DENSITY POLYETHYLENE

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 20201211

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