

SABIC® LLDPE M200024K

LINEAR LOW DENSITY POLYETHYLENE (PROVISIONAL TECHNICAL DATA SHEET)

DESCRIPTION

SABIC® M200024K 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 20260622

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
PHYSICAL			
Density	0.924	g/cm ³	ASTM D792
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
@ 190°C & 2.16 kg	20	g/10 min	ASTM D1238
MECHANICAL PROPERTIES			
Tensile test ⁽¹⁾			
stress at yield	12	MPa	ASTM D638
Tensile test			
elongation at break	≥500	%	ASTM D638
Tensile impact test			
Tensile Impact Strength	160	kJ/m ²	ASTM D1822
Flexural Modulus (1% Secant)	380	MPa	ASTM D790 A

(1) Based on injection molded specimens.

PROCESSING CONDITIONS

Typical processing conditions for M200024K 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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