

SABIC® LLDPE M50022T

LINEAR LOW DENSITY POLYETHYLENE
REGION ASIA

DESCRIPTION

SABIC® M50022T is a Linear Low Density Polyethylene grade for general purpose applications.

TYPICAL APPLICATIONS

Housewares, trash cans, lids, compounding.

TYPICAL PROPERTY VALUES

Revision 20260625

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
POLYMER PROPERTIES			
Melt Flow Rate (MFR)			
at 190°C and 2.16 kg	5	g/10 min	ISO 1133
MECHANICAL PROPERTIES			
Charpy impact strength @ 23°C			
	70	kJ/m²	ISO 179/1eU
FILM PROPERTIES			
Tensile Properties			
stress at yield	9	MPa	ISO 527-2 1A
stress at break	13	MPa	ISO 527-2 1A
elongation at break	500	%	ISO 527-2 1A
PHYSICAL PROPERTIES			
Density			
	921	kg/m³	ISO 1183

PROCESSING CONDITIONS

Typical processing conditions for M50022T are:

Barrel temperature: 190 - 230°C

Mold temperature: 15 - 60°C

Injection pressure: 600 - 1000 Bar

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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