

## SABIC M200024 Linear Low Density Polyethylene for Injection Molding

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Injection Molded

### Material Notes:

**Product Description:** M200024 is a Linear Low Density Polyethylene grade with a narrow molecular weight distribution suitable 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:** M200024 is recommended for housewares, trash cans, lids for large industrial containers, automotive parts, etc. Information provided by SABIC.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_SABIC-M200024-Linear-Low-Density-Polyethylene-for-Injection-Molding.php](http://www.lookpolymers.com/polymer_SABIC-M200024-Linear-Low-Density-Polyethylene-for-Injection-Molding.php)

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in <sup>3</sup>	load density; ASTM D1505
ESCR 100% Igepal®	6.0 hour	6.0 hour	F50; ASTM D1693B
ESCR 10% Igepal®	3.0 hour	3.0 hour	F50; ASTM D1693B
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D2240
Tensile Strength at Break	12.0 MPa	1740 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	>= 500 %	>= 500 %	ASTM D638
Flexural Strength	9.00 MPa	1310 psi	ASTM D790
Flexural Modulus	0.200 GPa	29.0 ksi	ASTM D790
1% Secant Modulus	230 MPa	33400 psi	ASTM D638
Izod Impact, Notched	5.00 J/cm	9.37 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D1525
Brittleness Temperature	<= -75.0 °C	<= -103 °F	ASTM D746

Processing Properties	Metric	English	Comments
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Mold Temperature Processing Properties	15.0 - 60.0 °C Metric	59.0 - 140 °F English	Comments
Injection Pressure	60.0 - 100 MPa	8700 - 14500 psi	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China