

# MG200024

LLDPE for Injection Molding

MG200024 is an injection molding grade Linear Low Density Polyethylene (LLDPE) copolymer of narrow molecular weight distribution. MG200024 resin is in powder form. It has been designed to have excellent low temperature toughness, stress crack resistance and gloss.

*NOTICE: The information and data contained herein are believed to be correct and given in good faith, but because of the many particular factors which are outside our knowledge and control and affect the use of product, no warranty is given or is to be implied with respect to such information, nor do we offer any warranty of immunity against infringement.*

Saudi Basic Industries Corporation  
P.O.Box 5101, Riyadh 11422  
Kingdom of Saudi Arabia  
Tel: 966 1 2258000  
Fax: 966 1 2259000  
Customers Technical Support  
Tel: 966 1 2651661  
Fax: 966 1 2653544  
Toll-free 800 1245577  
PE Sales:  
Fax: 966 1 2258760  
Website: www.sabic.com

## Typical Applications

MG200024 resin is recommended for carpet backing, metal coating and compounding.

Physical Properties	Unit	Value <sup>(1)</sup>	Test Method
Melt index	g/10 min.	20	D-1238
Density	g/cm <sup>3</sup>	0.924	D-1505
Vicat softening point	°C	94	D-1525
Brittleness temperature	°C	< -75	D-746
Secant modulus @1%elongation	MPa	315	D-638
Tensile strength @yield	MPa	12	D-638
Tensile strength @break	MPa	8.5	D-638
Tensile elongation @break	%	450	D-638
Izod impact (notched)	J/m	540	D-256
Hardness (shore D)	-	55	D-2240
ESCR (100%Igepal), F <sub>50</sub> (Slitted specimen)	Hrs.	24	D-1693A

*Test specimen is prepared from compression molded sheet made according to ASTM D-1928 Procedure C.*

*(1) Typical values should not be construed as specification limits.*

## Processing Conditions

Typical molding conditions for MG200024 are:

Barrel temperature °C (°F) = 193-232 (380-450)

Mold temperature °C (°F) = 5-30 (40-85)

## Food Regulation

Certificate is available on request.