

SABIC® LLDPE MG200024

Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LLDPE MG200024 is a high flow linear low density polyethylene copolymer grade with a narrow molecular weight distribution. SABIC® LLDPE MG200024 is in powder form.

Application

SABIC® LLDPE MG200024 is typically used for masterbatches with very high carbon black, titanium dioxide or pigment content in blow moulding, injection moulding and film extrusion applications. Since the resin is supplied in free flowing powder form, it can be used for masterbatch production where PE powders are used.

This product is not intended for and must not be used in any pharmaceutical/medical applications.

General Information			
Features	Copolymer		
	High Flow		
	Low Density		
	Narrow Molecular Weight Distribution		
Uses	Compounding		
	Masterbatch		
Forms	Powder		
Processing Method	Blow Molding		
	Compounding		
	Film Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (Compression Molded)	24.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant (Compression Molded)	315	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield, Compression Molded	12.0	MPa	
Break, Compression Molded	8.50	MPa	
Tensile Elongation (Break, Compression Molded)	450	%	ASTM D638

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Compression Molded)	540	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	94.0	°C	ASTM D1525 ¹
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 to 230	°C	
NOTE			

1. Loading 1 (10 N)

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Recommended distributors for this material

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