

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 MG 200024 is in powder form.

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

The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/medical applications.

General Information	
Features	Copolymer
	High liquidity
	Narrow molecular weight distribution
Uses	Composite
	Masterbatch
Forms	Powder
Processing Method	Film extrusion
	Blow molding
	Composite
	Compression molding
	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	24.0	hr	ASTM D1693
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	55		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus - 1% Secant	315	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	12.0	MPa	ASTM D638
Fracture	8.50	MPa	ASTM D638
Tensile Elongation (Break)	450	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	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
Additional Information			
Test specimen is prepared from compression moulded sheet made according to ASTM D-1928, procedure C.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	190 - 230	°C	
NOTE			
1.	速率 A (50°C/h), 压力1 (10N)		

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