

SABIC® LLDPE MG500026

Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

Message:

SABIC® LLDPE MG50026 is a high flow linear density copolymer grade with a narrow molecular weight distribution. SABIC® LLDPE MG50026 resin is in powder form.

SABIC® LLDPE MG500026 resin is recommended for injection moulding masterbatch where a high filler acceptance is required, combined with a good flow. 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	Composite		
	Compression molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	50	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	2.00	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	354	MPa	ASTM D638
Tensile Strength			ASTM D638
Yield	13.0	MPa	ASTM D638
Fracture	12.4	MPa	ASTM D638
Tensile Elongation (Break)	120	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	450	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	88.0	°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	180 - 230	°C

NOTE

1. 速率 A (50°C/h), 压力1 (10N)

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