

# SABIC® LLDPE RG50035

Linear Low Density Polyethylene

Saudi Basic Industries Corporation (SABIC)

## Message:

SABIC® LLDPE RG50035 is a Linear Low Density Polyethylene reactor powder grade designed for various compounding applications.

SABIC® LLDPE RG50035 contains low level of antioxidant and does not contain any antiblock and/or slip agents.

### Application

Compounding applications, like colour masterbatches.

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

General Information			
Additive	Antioxidation		
Features	Antioxidation		
Uses	Wire and cable applications		
	Masterbatch		
Processing Method	Wire & Cable Extrusion		
	Composite		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm³	ISO 1183
Apparent Density	0.42	g/cm³	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Compression Molded)	14.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, molding	15	%	ISO 527-2
Fracture, molding	100	%	ISO 527-2
Flexural Modulus (23°C, Compression Molded)	490	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Compression Molded)	40	kJ/m²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	114	°C	ISO 306/A
Melting Temperature	125	°C	DSC
Additional Information			

Test specimens were prepared by compression moulding according to ISO 1872-2.

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Recommended distributors for this material

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