

# SABIC® LDPE 2404N0

## LOW DENSITY POLYETHYLENE

### DESCRIPTION

SABIC® LDPE 2404N0 is a LDPE tubular grade without additives. The product is typically developed for cast film extrusion applications requiring an optimal relationship between draw down, purity and organoleptic properties.

#### Application

SABIC® LDPE 2404N0 can be used for a wide variety of cast film applications.

#### Properties

Mechanical properties have been determined on compression moulded test specimen (1,1 mm thick and 5,0 mm wide) at 50 mm/min.

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

### TYPICAL PROPERTY VALUES

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
<b>POLYMER PROPERTIES</b>			
<b>Melt Flow Rate (MFR)</b>			
at 190 °C and 2.16 kg	4.2	dg/min	ISO 1133
<b>Density</b>	924	kg/m³	ASTM D1505
<b>MECHANICAL PROPERTIES</b>			
<b>Tensile test</b>			
tensile modulus	250	MPa	ISO 527-2
stress at break	12	MPa	ISO 527-2
strain at break	800	%	ISO 527-2
strain at yield	11	%	ISO 527-2
<b>THERMAL PROPERTIES</b>			
<b>Vicat Softening Temperature</b>			
at 10 N (VST/A)	94	°C	ISO 306
<b>DSC test</b>			
melting point	111	°C	DIN 53765
enthalpy change	134	J/g	DIN 53765

### STORAGE AND HANDLING

Polyethylenes resins (in pelletised or powder form) should be stored in such a way that it prevents exposure to direct sunlight and/or heat, as this may lead to quality deterioration. The storage location should also be dry, dust free and the ambient temperature should not exceed 50 °C. Not complying with these precautionary measures can lead to a degradation of the product which can result in colour changes, bad smell and inadequate product performance. It is also advisable to process polyethylene resins (in pelletised or powder form) within 6 months after delivery, this because also excessive aging of polyethylene can lead to a deterioration in quality.