

# Ultrapolymers LLDPE

## UP204 Natural Powder

Polyethylene for Rotational Moulding, linear low-density



### Description:

**UP204 Natural Powder** is a new generation hexene linear low-density polyethylene for rotational moulding, based on **Lupolen 3621 M RM**.

Typical customer applications include agricultural and chemical storage containers, technical parts and automotive parts. This product exhibits excellent ESCR and high impact strength at low temperatures. **UP204 Natural Powder** is fully heat and UV stabilised resulting in good processing latitude, good colour retention and long life expectancy.

**UP204 Natural Powder** is not intended for use in medical and pharmaceutical applications.

Physical Properties		Test Method	Typical Value*	Unit
Melt flow index	190 °C/2.16 kg	ISO 1133	7.5	g/10 min
Density	23 °C	ISO 1183	0.9355	g/cm <sup>3</sup>
Tensile modulus	23 °C	ISO 527-1,-2	700	Mpa
Tensile stress at yield	23 °C	ISO 527-1,-2	17	Mpa
Tensile Impact Strength	Notched @ - 30 °C	ISO 8256	104	kJ/m <sup>2</sup>
	Notched @ 23 °C	ISO 8256	213	kJ/m <sup>2</sup>
Tensile Strain at break	23 °C	ISO 527-1, -3	> 450	%
Vicat softening temperature	A/50	ISO 306	113	°C
ESCR	50 °C / 10% Igepal	ASTM D1693	>1000	h

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\* The indicated values are typical values and should not be used for specification work.

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### Ultrapolymers Group NV