

## Lupolen 4021 K RM Powder

### Polyethylene, Medium Density

#### Product Description

**Lupolen 4021 K RM Powder** is a new generation hexene linear medium-density polyethylene for rotomolding for large tanks including agricultural and chemical storage containers and underground and infrastructure applications.

**Lupolen 4021 K RM Powder** is a fully UV-stabilized polymer. The product is delivered as a powder.

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Asia-Pacific, Africa-Middle East
<b>Processing Method</b>	Rotational Molding
<b>Features</b>	High ESCR (Environmental Stress Cracking Resistance), Low Temperature Impact Resistance, Good Processability, Low Warpage
<b>Typical Customer Applications</b>	Tanks, Industrial, Fuel Tanks, Heating Oil Tanks, IBCs

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density <i>Note: at 23°C</i>	ISO 1183	0.9395	g/cm <sup>3</sup>
Melt flow rate (190/2.16)	ISO 1133	4,0	g/10 min
<b>Mechanical</b>			
ESCR <i>Note: Condition B</i>	ASTM D 1693	> 1000	h
Tensile Stress at Yield	ISO 527-1, -2	19	MPa
Tensile Strain at Yield	ISO 527-1, -2	9	%
Tensile Impact Strength <i>Note: Notched @ -30 °C</i>	ISO 8256	120	kJ/m <sup>2</sup>
<i>Note: Notched @ 23 °C</i>		265	kJ/m <sup>2</sup>
Tensile Strain at Break	ISO 527-1, -3	>450	%
Tensile modulus	ISO 527	750	MPa
<b>Thermal</b>			
Vicat softening temperature A/50	ISO 306	114	

#### Additional Information

##### Additional Properties

*Note:*

ESCR, FNCT (Full notch creep test) acc. ISO 16770 (6.0 MPa, 2% Arkopal N100, 50°C): **50 h**

#### Notes

Typical properties; not to be construed as specifications.

LyondellBasell markets this product through the following entities:

- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
- LyondellBasell Australia Pty Ltd

For the contact details of the LyondellBasell company selling this product in your country, please visit <http://www.lyondellbasell.com/>.

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Users should review the applicable Material Safety Data Sheet before handling the product.

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