

# Alcudia® Low density polyethylene

Chemicals

Technical data sheet



## ALCUDIA® 2322M

ALCUDIA® 2322M is a low density polyethylene grade of high fluidity intended for those injection moulding applications in which toughness and good flow properties are required. Its formulation does not contain additives.

### TYPICAL APPLICATIONS

Due to its good properties balance, ALCUDIA® 2322M is a very versatile grade and is suitable for articles of very diverse sizes:

- Industrial parts and components.
- Caps and closures.
- Toys.

Recommended melt temperature range from 180 to 230°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt Flow Rate (190 °C; 2.16 kg)	22	g/10 min	ISO 1133
Density	923	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Flexural Modulus	150	MPa	ISO 178
Tensile strength at break	9	MPa	ISO 527-2
Tensile strain at break	375	%	ISO 527-2
<b>Thermal</b>			
Vicat Softening Temperature (10 N)	80	°C	ISO 306
<b>Others</b>			
Shore Hardness	47	D Scale	ISO 868

ALCUDIA® 2322M complies with the European Directives regarding materials intended for contact with foodstuffs. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### STORAGE

ALCUDIA® 2322M should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 60°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes which may have a negative influence on the processability and the properties of the transformed product.

November 2013