

ALCUDIA® **High density polyethylene**



Chemicals

ALCUDIA® 55250I

ALCUDIA® 55250I is a high density polyethylene grade of high fluidity intended for those injection moulding applications in which an excellent processability is required as well as good mechanical properties.

TYPICAL APPLICATIONS

- Caps and closures
- Food containers and domestic packaging
- Toys and leisure

Recommended melt temperature range from 180 to 240°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190 °C; 2.16 kg)	25	g/10 min	ISO 1133
Density	955	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1000	MPa	ISO 178
Tensile Strength at Yield	22	MPa	ISO 527-2
Thermal			
Vicat Softening Temperature (10 N)	126	°C	ISO 306
Others			
Shore Hardness	60	D Scale	ISO 868

ALCUDIA® 55250I 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® 55250I 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.

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This information is offered in good faith and meant only as a guide. The transformer or user will be, in each case, responsible for the processing conditions and the final use of the product. Freedom under patents, copyright and registered designs cannot be assumed.

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