

Alcudia® High density polyethylene

Chemicals

Technical data sheet



ALCUDIA® 6080IUV

ALCUDIA® 6080IUV is a high density polyethylene grade of high fluidity intended for those injection moulding applications in which an excellent balance of mechanical properties and good flow properties are required. Technical benefits this grade offers are:

- Easy mould filling and quick release from the mould
- Good mechanical and physical properties
- UV-light protection

TYPICAL APPLICATIONS

Due to its good balance of mechanical and flow properties, ALCUDIA® 6080IUV is particularly intended for application in which good mechanical properties and weathering resistance are required:

- Crates, boxes and storing cases
- Rigid and industrial packaging

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)	8.0	g/10 min	ISO 1133
Density	960	kg/m ³	ISO 1183
Mechanical			
Flexural Modulus	1300	MPa	ISO 178
Tensile Strength at Yield	27	MPa	ISO 527-2
Thermal			
Vicat Softening Temperature (10 N)	128	°C	ISO 306
Others			
Shore Hardness	62	D Scale	ISO 868

ALCUDIA® 6080IUV 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® 6080IUV 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

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.

Technical Service and Development:
Repsol Technology Centre
Ctra. de Extremadura A5, Km 18
28931 Móstoles, Madrid
Tel. +34 91 753 86 00
atd_poliiolefinas@repsol.com

Headquarters:
Méndez Álvaro, 44
28045 Madrid
Spain
www.chemicals.repsol.com

Customer Care:
sacrq@repsol.com