

Alcudia® High density polyethylene

Chemicals

Technical data sheet



HDPE ALCUDIA® 5606T

The high density polyethylene ALCUDIA® 5606T is a homopolymer of medium molecular weight. Due to its good processability characteristics is specially intended for extrusion of doubled corrugated drainage and sewage pipes. This product is supplied in natural colour but they can be easily coloured with pigments steady at processing temperature, using dry-colouring or masterbatch techniques.

TYPICAL APPLICATIONS

- Structured doubled wall without pressure pipes for underground drainage and sewage.
- Mono and doubled wall corrugated pipes for protecting cables.

Recommended melt temperature range 190 - 210 °C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C, 5 kg)	2.0	g/10 min	ISO 1133
Melt Flow Rate (190°C, 2.16 kg)	0.6	g/10 min	ISO 1133
Melt Flow Rate (190°C, 21.6 kg)	40	g/10 min	ISO 1133
Density at 23°C	956	kg/m ³	ISO 1183
Mechanical			
Tensile Strength at Break	28	MPa	ISO 527-2
Elongation at Break	700	%	ISO 527-2
Flexural modulus of elasticity	1400	MPa	ISO 178
Others			
ESCR (F50) (Igepal at 10%)	> 15	h	ASTM D-1693
Brittleness temperature	< -70	°C	ASTM D-746

ALCUDIA® 5606T black compound 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® 5606T high density polyethylene 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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