

HDPE ALCUDIA[®] CAB4910

ALCUDIA[®] CAB4910 is a copolymer of butene with medium molecular weight specially intended for the extrusion of drainage and sewage pipes. This grade contains a package of additives that includes the antioxidant necessary to reinforce the thermal stability.

TYPICAL APPLICATIONS

- Drainage and sewage pipes

Recommended melt temperature range from 170 to 190°C. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE*	UNIT	TEST METHOD
General			
Melt Flow Rate (190°C, 2.16 kg)	0.90	g/10 min	ISO 1133
Density at 23°C	949	kg/m ³	ISO 1183
Mechanical			
Tensile Strength at Break	>20	MPa	ISO 527-2
Elongation at break	>700	%	ISO 527-2
Flexural modulus of elasticity	(pending)	MPa	ISO 178
Other			
Vicat Softening Temperature (10 N)	123	°C	ISO 306
Shore Hardness D	(pending)	°	ISO 868
Environmental Stress Cracking Resistance (F0)	>48	h	ASTM D-1693

* Typical values – Not to be considered as specification

ALCUDIA[®] CAB4910 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[®] CAB4910 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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