

## Technical data sheet

## Chemicals



# LDPE REPSOL ALCUDIA 1940C

The grade REPSOL ALCUDIA 1940C is a low density polyethylene grade, produced by high pressure autoclave technology, especially intended for extrusion coating. This material offers an adequate balance between easy processability, good organoleptic properties, excellent adhesion and low neck-in. It does not contain any additives.

### Applications

- Extrusion coating.
- Coextruded thin film.
- Injection moulding.

Temperature range depending on the processed polymers and final application. Processing conditions should be optimised for each production line.

PROPERTIES	VALUE	UNIT	TEST METHOD
<b>General</b>			
Melt Flow Rate (190°C, 2.16kg)	3,9	g/10 min	ISO 1133
Density at 23°C	920	kg/m <sup>3</sup>	ISO 1183
<b>Mechanical</b>			
Tensile Strength at Yield	10	MPa	ISO 527-3
Tensile Strength at Break	22	MPa	ISO 527-3
Elongation at Break (DM/DT)	200/600	%	ISO 527-3
<b>Others</b>			
Vicat softening temperature (load 10 N)	88	°C	ISO 306

The grade REPSOL ALCUDIA 1940C complies with the European Directives regarding materials intended for contact with foodstuffs. The product mentioned herein is not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications. For further information, please contact our Technical Service and Development Laboratory or our Customer Care Service.

### Storage

The grade REPSOL ALCUDIA 1940C should be stored in a dry atmosphere, on a paved, drained and not flooded area, at temperatures under 50°C and protected from UV radiation. Storage under inappropriate conditions could initiate degradation processes or undesired migration of additives included in its formulation which may have a negative influence on the processability and properties of the transformed product.

January 2020