

Description

Total Circular compound rPE 6306 is a high density polyethylene, containing 50% of recycled HDPE originating from post consumer household waste collected in Western European countries.

Total Circular compound rPE 6306 properties are comparable to virgin HDPE resins in term of performance and consistency. It is odour free, natural in colour and exhibits an excellent stress-cracking resistance. It is especially suited for the manufacture of blow moulded bottles and containers for cosmetics, laundry, cleaning, household and industrial liquids.

Total Circular compound rPE 6306 is not intended for food contact, pharmaceutical and medical applications.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	kg/m ³	955
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	0.3
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	30
ESCR Antarox 100%	ASTM D 1693B	h	>300

(*) Data not intended for specification purposes

Processing

It is recommended to process Total Circular compound rPE 6306 within the temperature range 180-220 °C