

Description

HDPE 5802 is a high density polyethylene (HDPE) with excellent compromise between stiffness and Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow moulded packaging for household, industrial, cosmetics liquids with an optimized weight.

HDPE 5802 is a pellet grade and contains antioxidants.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.957
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	0.30
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	22
ESCR AntaroX 100%	ASTM D 1693B	h	F ₅₀ = 50
Notched Charpy Impact Resistance 23°C	ISO 179-1	kJ/m ²	18

(*) Data not intended for specification purposes

Processing

It is recommended to process HDPE 5802 within the temperature range 180-220°C.