

Description

HDPE 5502 is a high density polyethylene (HDPE) with good compromise between stiffness and Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow molded packaging for household, industrial and cosmetics liquids.

HDPE 5502 is a pellet grade and contains antioxidants.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.954
Melt Flow Rate (190°C/2.16 kg)	ISO 1133/D	g/10 min	0.25
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	22
ESCR AntaroX 100%	ASTM D 1693B	h	F ₅₀ = 60
Notched Charpy Impact Resistance 23°C	ISO 179-1	kJ/m ²	16

(*) Data not intended for specification purposes

Processing

It is recommended to process HDPE 5502 within the temperature range 180-220°C.