

Description

HDPE 51090 is a semi high molecular weight (SHMW) high density polyethylene (HDPE) with high resistance to impact and excellent Environmental Stress Crack Resistance (ESCR). It has been specifically designed for the manufacture of blow moulded articles (jerry-cans) dedicated for the transportation of dangerous goods.

HDPE 51090 is a pellet grade and contains antioxidants.

Characteristics

Property	Method	Unit	Typical value (*)
Density	ISO 1183	g/cm ³	0.950
Melt Flow Rate (190°C/21.6 kg)	ISO 1133/G	g/10 min	7
FNCT	ISO 16770	h	27
Notched Charpy Impact Resistance -30°C	ISO 179-1	kJ/m ²	20

(*) Data not intended for specification purposes

Processing

It is recommended to process HDPE 51090 within the temperature range 180-220°C.