



**TotalEnergies**

Refining & Chemicals  
Polymers

## Polyethylene HDPE 51090

Technical data sheet  
High Density Polyethylene BLOW MOULDING  
Produced in Europe

### 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 <sup>3</sup>	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 <sup>2</sup>	20

(\*) Data not intended for specification purposes

### Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information. It is advisable to convert the product within one year after delivery provided storage conditions are used as given in the SDS of our product. SDS may be obtained from the website: [www.polymers.totalenergies.com](http://www.polymers.totalenergies.com).

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