


**TotalEnergies**

Refining & Chemicals  
Polymers

## Polyethylene HDPE 49080 UV

Technical data sheet  
High Density Polyethylene BLOW MOULDING  
Produced in Europe

### Description

HDPE 49080 UV 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 blow moulding of intermediate bulk containers (IBC) and heating oil tanks (HOT).

HDPE 49080 UV is a pellet grade and contains antioxidant and anti-UV additives.

### Characteristics

| Property                               | Method     | Unit              | Typical value (*) |
|----------------------------------------|------------|-------------------|-------------------|
| Density                                | ISO 1183   | g/cm <sup>3</sup> | 0.949             |
| Melt Flow Rate (190°C/21.6 kg)         | ISO 1133/G | g/10 min          | 7                 |
| FNCT                                   | ISO 16770  | h                 | 30                |
| Notched Charpy Impact Resistance -30°C | ISO 179-1  | kJ/m <sup>2</sup> | 16                |

(\*) 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).

Polyethylene

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