

# HDPE INJECTION MOULDING

## HD 5740 UA

HD 5740 UA\* is a high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty articles.

HD 5740 UA has the following characteristics:

- Easy processing.
- High rigidity.
- Good impact strength.
- High warpage resistance.

## Applications

- Large dustbins.
- Pallets.
- Fish crates.
- General purpose heavy duty articles.



## Typical Properties

Property/Grade	Test Method	Unit of measurement	Value
Melt flow rate (2.16 kg)	ISO 1133	g/10 min	4
Density	ISO 1872/1	Kg/m <sup>3</sup>	957
Vicat Softening T°	ISO R 306-74	C°	125
Tensile strength at yield	BP 13B/1	MPa	27
Elongation at break	BP 13B/1	%	>1000
Flexural modulus	ISO 178	MPa	1250
•ESCR,F50,23 C°	ASTMD 1693	hours	>50
Charpy impact resistance	ASTMD 256	KJ/M <sup>2</sup>	10

• ESCR: Environmental stress cracking resistance.

\* UA: UV stabilization.