



ISO 9001:2000
Certificate No.: CH98/8032

ISO 14001:2004
Certificate No.: CH03/0112

OHSAS 18001:1999
Certificate No.: CH05/0675

High Density Polyethylene

HD5050UA

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Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D1238	gr/10min	4.5
Density	D1505	gr/cm ³	0.950
Tensile Strength @Yield	D638	Mpa	25
Tensile Modulus	D638	Mpa	-
Elongation @Break	D638	%	1000
Flexural Modulus	D790	Mpa	800
Hardness	D2240	Shore D	64
Charpy Impact Resistance (Notched)	D256	Kj/m ²	15

► Values shown are averages & are not to be considered as product specifications.

❖ Main application & Characteristics:

HD5050UA is an ultra-violet light stabilised high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding applications where a good resistance to environmental stress cracking is required.

◆ Characteristics:

- Good environmental stress cracking resistance.
- High impact resistance, especially at low temperatures.
- Good weathering resistance.

◆ Typical applications:

- Large dustbins & pails.
- Pallet boxes.
- Caps & closures.
- Fish crates.
- Technical parts.

* **HD5050UA** is suitable for food contact.