High Density Polyethylene

HD5050EA (Injection Moulding)

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 Shore D	D2240	-	64
Charpy Impact Resistance (Notch)	D256	Kj/m^2	15

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

❖ Main application & Characteristics:

HD5050EA is a high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding applications where a good environmental stress-cracking resistance is required.

◆ Characteristics:

- Good environmental stress cracking resistance.
- Good impact strength.
- Good weathering resistance.

◆ Typical applications are:

- Caps & closures.
- Technical mouldings.
- Bins.
- Crates, boxes, household items.

* HD5050EA is not suitable for organoleptic applications.