



LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC	E.P.
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HD-5218EA

HIGH DENSITY POLYETHYLENE

General Informations:

HD5218EA is an easy flowing high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

HD5218 EA has following characteristics :

- *Good flowability
- *High quality seal for food containers
- *Suitable for fast cycling applications

Applications:

- Housewares
- Thin walled food containers
- “PET” bottle base cup

Specifications:

Property	Unit	Value	Test Method
Melting point	°C	131	ASTM D 2117
MFI (190°C/2.16 kg)	gr/10 min	18	ASTM D 1238
Density	gr/cm ³	0.952	ASTM D 792
Vicat softening point	°C	Min. 115	ASTM D 1525
Tensile strength @ yield	MPa	Min. 20	ASTM D 638
Elongation @ break	%	Min. 900	ASTM D 638
Charpy impact strength	Kj/m ²	Min. 3	ASTM D 256
Flexural modulus	MPa	1050	ASTM D 790
Hardness	Shore D	65	ASTM D 2240
Thermal conductivity	W/M ²	0.48	ASTM C 177
C.O.L.E.	°C	2x10 ⁻⁴	ASTM D 696-91

The above data are typical laboratory average . They are intended to serve as guides only.

