

# HDPE INJECTION MOULDING

## HD 5218 EA

HD 5218 EA\* is an easy flow high density polyethylene copolymer grade with a narrow molecular weight distribution, suitable for thin wall injection moulding applications.

HD 5218 EA has the following characteristics:

- Good flow properties.
- High warpage food containers.
- Suitable for fast cycling applications.

## Applications

- Housewares.
- Thin walled food containers.
- PET bottle base cup.



## Typical Properties

Property/Grade	Test Method	Unit of measurement	Value
Melt flow rate (2.16 kg)	ISO 1133	g/10 min	18
Density	ISO 1872/1	Kg/m <sup>3</sup>	952
Vicat Softening T°	ISO R 306-74	C°	27
Tensile strength at yield	BP 13B/1	MPa	> 1000
Elongation at break	BP 13B/1	%	1050
Flexural modulus	ISO 178	MPa	5
•ESCR,F50,23 C°	ASTMD 1693	hours	123

• ESCR: Environmental stress cracking resistance.

\* EA: Standard unmodified except for antioxidant.