

# ELTEX<sup>®</sup> Superstress<sup>™</sup> CAP311

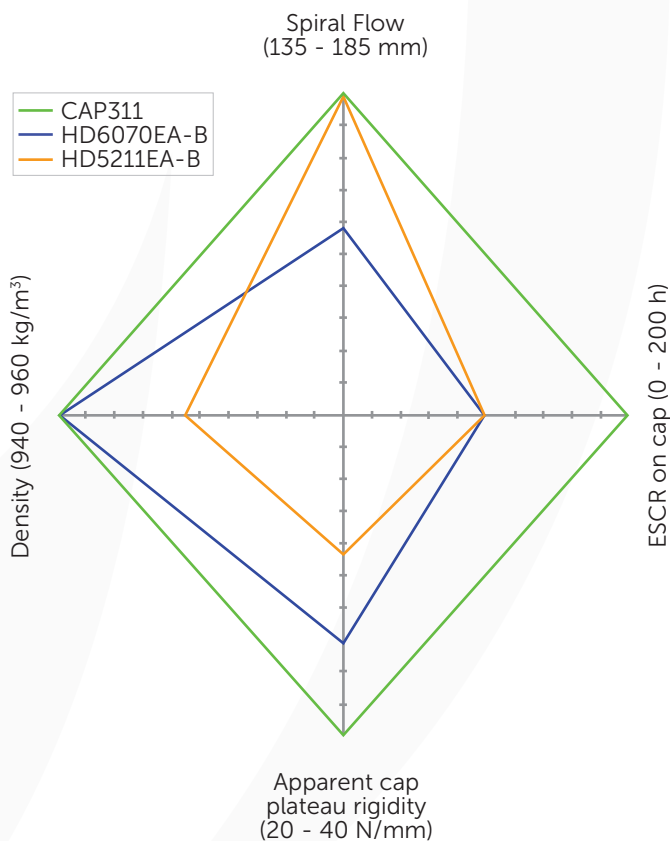
The latest Superstress grade with improved injectability and stiffness

## Product features

- Very good injectability (MFR 11-like resin)
- High rigidity
- Good stress-cracking resistance
- Improved rigidity/stress cracking resistance compromise
- Excellent quality controlled organoleptic properties
- Slip agent free grade



This new Superstress<sup>™</sup> grade is dedicated for the Injection Moulding and the Compression Moulding of Caps & Closures for still mineral water and slightly carbonated or pressurized beverages.



## Benefits for customers

The newly developed ELTEX<sup>®</sup> Superstress<sup>™</sup> CAP311 produced with INEOS proprietary supported catalyst & process offers the following advantages :

- **Improved stress cracking resistance** allowing more severe storage conditions (higher temperature in hot countries,...).
- **Enhanced cap rigidity** at same weight.
- **Lightweighting potential** as a consequence of higher rigidity and improved ESCR.
- **Increased productivity** resulting from lower processing temperatures.
- **Energy savings** from lower processing temperatures and reduced cycle times.

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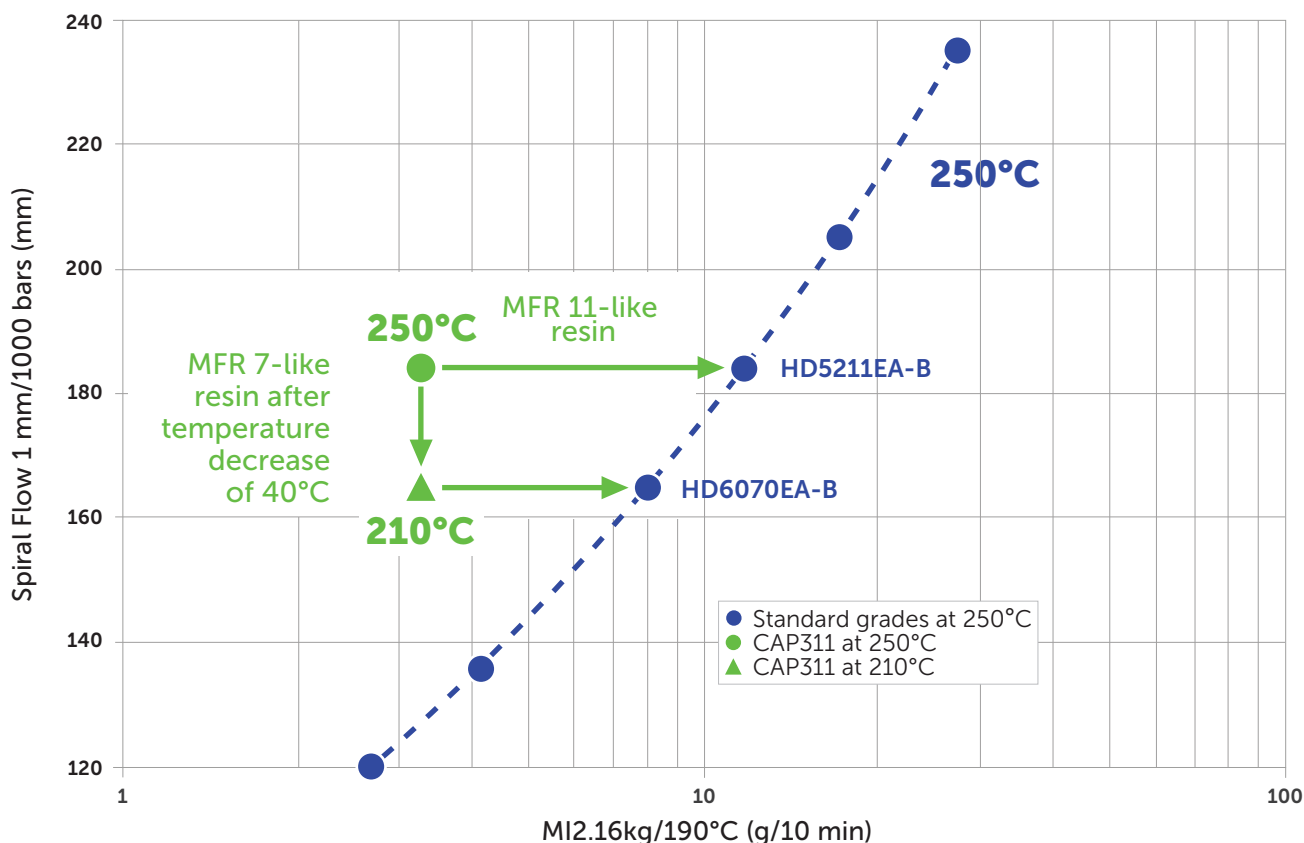
## Product characteristics

(Comparison with current INEOS HDPE grades for still mineral water)

	Unit	Standard	CAP311	HD6070EA-B	HD5211EA-B
Density	kg/m <sup>3</sup>	ISO 1183-1	960	960	951
MI 190°C/2.16 kg	g/10min	ISO 1133-1	4	7.6	11
HLM1 190°C/21.6 kg	g/10min	ISO 1133-1	205	200	> 230
Spiral Flow 1 mm/1000 bars/250°C	mm	INEOS	185	164	185
ESCR on cap (1 bar/40°C/10% Igepal)	h	INEOS	> 200	100	100
Apparent cap plateau stiffness	N/mm	INEOS	40	35	29

Data not to be considered as specification

## SPIRAL FLOW - MI2.16



For Product Data Sheet and Safety Data Sheet please visit us at [www.ineos.com](http://www.ineos.com) or contact your INEOS O&P Europe local representative or send an e-mail to [ineospofcsc@ineos.com](mailto:ineospofcsc@ineos.com)