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Queo™ 1007

Octene-1 Plastomer

DATA SHEET

Description and Attributes

Queo™ 1007 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.

Queo 1007 is a versatile blend partner for other polyolefins in film, extrusion and moulding applications, offering :

- Unrivalled sealing properties
- Outstanding toughness, puncture resistance and low temperature impact strength
- Excellent polyolefin compatibility
- Flexibility
- Low amount of extractables
- High clarity

Applications

Demonstrated applications include :

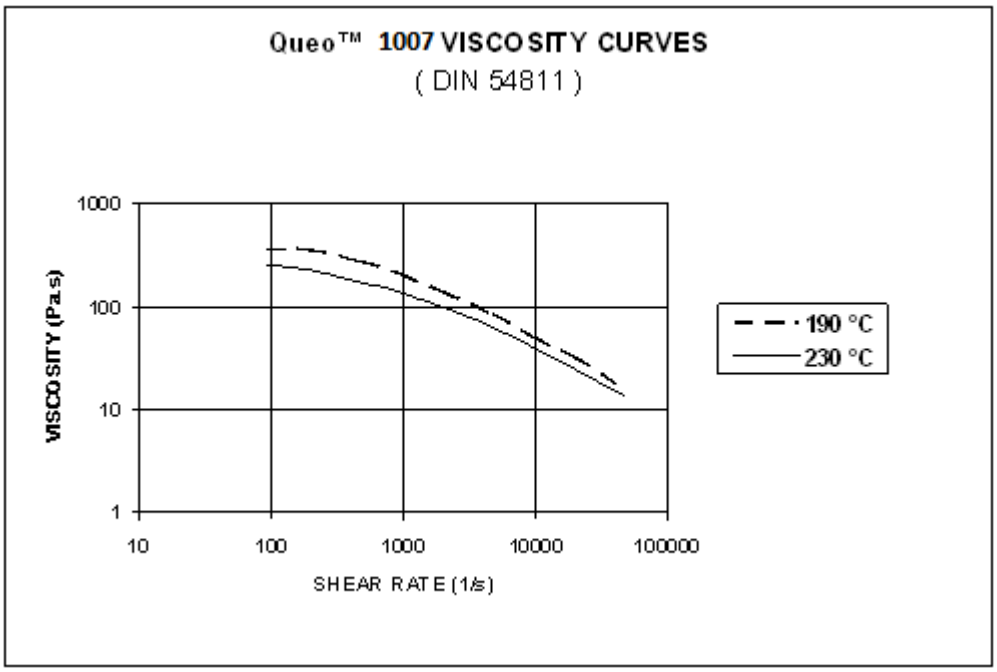
- Seal layers in multi layer barrier films
- Heat shrinkable film
- Caps and closures
- PP toughness modification
- Compounds
- Moulded articles

Additives

Queo 1007 contains processing stabilizers.

General properties	*Units*	*Typical values [1]*	*Method*
Melt Flow Rate (2.16 kg/190°C)	dg/min	6.6	ISO 1133
Density (23°C)	kg/m^3	910	ISO 1183
Shore D hardness	--	43	ISO 868
DSC peak melting point	°C	105	ISO 11357
Vicat softening temperature. (at 10 N)	°C	88	ISO 306
Brittleness temperature	°C	< -76	ASTM D746
Moulded plaque properties *[2]*			
Tensile strength at break	MPa	17	ISO 527-2 (5A)
Elongation at break	%	900	ISO 527-2 (5A)
Flexural modulus	MPa	118	ISO 178
Notched Izod at 23°C	kJ/m^2	No break	ISO 180 (1A)
Environmental stress crack resistance	hr	800	ASTM D1693 (method B)

[1] Values are typical and not to be interpreted as specifications.
[2] Specifics of compression moulded test specimen.



Food Law Compliance and Product Handling

Queo 1007 can - in principle - be used in food contact applications in various EU Member States and in the USA (FDA). Migration or use limitations may apply. Please contact your sales representative for more detailed information and/or actual compliance certification documents.
Specific information on material safety aspects of Queo 1007 will be provided upon request.

Standard Packaging

Queo 1007 is supplied as free flowing pellets in bulk or packaged in 25 kg bags. The 25 kg bags are assembled on a heat treated pallet to a net weight of 1’375 kg and covered with a stretch hood.

Disclaimer

The product(s) mentioned herein are not intended to be used for medical, pharmaceutical or healthcare applications and we do not support their use for such applications.

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