HongRong Engineering Plastics Co.,Ltd.
Head Office Tel. +85-2-6957-5415
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Queo™ 8230

Octene-1 Plastomer

DATA SHEET

Description and Attributes

Queo™ 8230 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.

Supplied in the form of free flowing pellets, Queo 8230 is designed to offer:

- Outstanding flexibility, even at low temperatures
- Outstanding toughness
- High clarity
- High filler acceptance
- Excellent polyolefin compatibility

Applications

Demonstrated applications include :

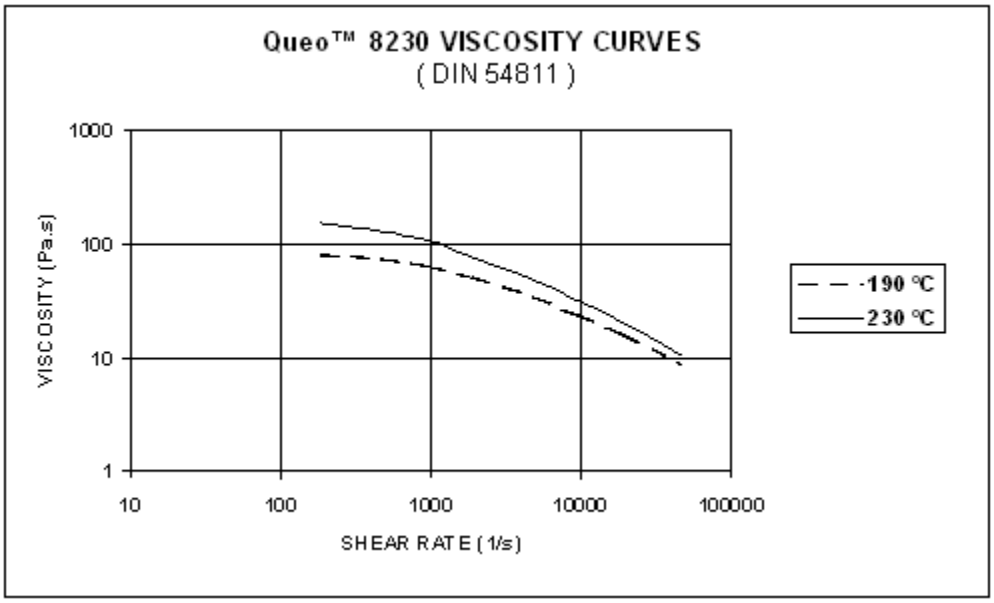
- Impact modification of PP
- Halogen free flame retardant compounds
- Automotive PP compounds
- Rotational moulding
- Extrusion coated structures

Additives

Queo 8230 contains processing stabilizers.

General properties	*Units*	*Typical values [1]*	*Method*
Melt Flow Rate (2.16 kg/190°C)	dg/min	30	ISO 1133
Density (23°C)	kg/m^3	882	ISO 1183
Shore A hardness	--	83	ISO 868
Shore D hardness	--	<30	ISO 868
DSC peak melting point	°C	76	ISO 11357
Vicat softening temperature (at 10 N)	°C	43	ISO 306
Brittleness temperature	°C	< -76	ASTM D746
Moulded plaque properties *[2]*			
Tensile strength at break	MPa	7	ISO 527-2 (5A)
Elongation at break	%	980	ISO 527-2 (5A)
Flexural modulus	MPa	22	ISO 178
Notched Izod at 23°C	kJ/m^2	No break	ISO 180 (1A)
Environmental stress crack resistance	hr	> 1000	ASTM D1693 (method B)
Extrusion coating performance of blend with 40 weight % LDPE *[3]*			
Neck-in at 100 m/min	cm	6.2	Internal method
Draw down	m/min	480	Internal method

[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 8230 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 8230 will be provided upon request.

Standard Packaging

Queo 8230 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.

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