

Queo™ 8201

Octene-1 Plastomer

DATA SHEET

Description and Attributes

Queo™ 8201 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.

Bridging plastic and elastomeric properties, showing excellent polyolefin compatibility and supplied as free flowing pellets, Queo 8201 is a versatile blend partner for other polyolefins, offering :

- Flexibility
- Outstanding toughness, puncture resistance
- Low temperature impact strength
- Low dielectric constant and dissipation factor
- High filler and oil acceptance
- Excellent polyolefin compatibility
- High clarity

Applications

Demonstrated applications include :

- Impact modification of PP
- Roof coverings
- Tunnel linings
- Flexible low voltage insulation
- Halogen free flame retardant compounds
- Blow moulded articles
- Soft foams
- High strength flexible films
- Specialty stretch film applications

Additives

Queo 8201 contains processing stabilizers.

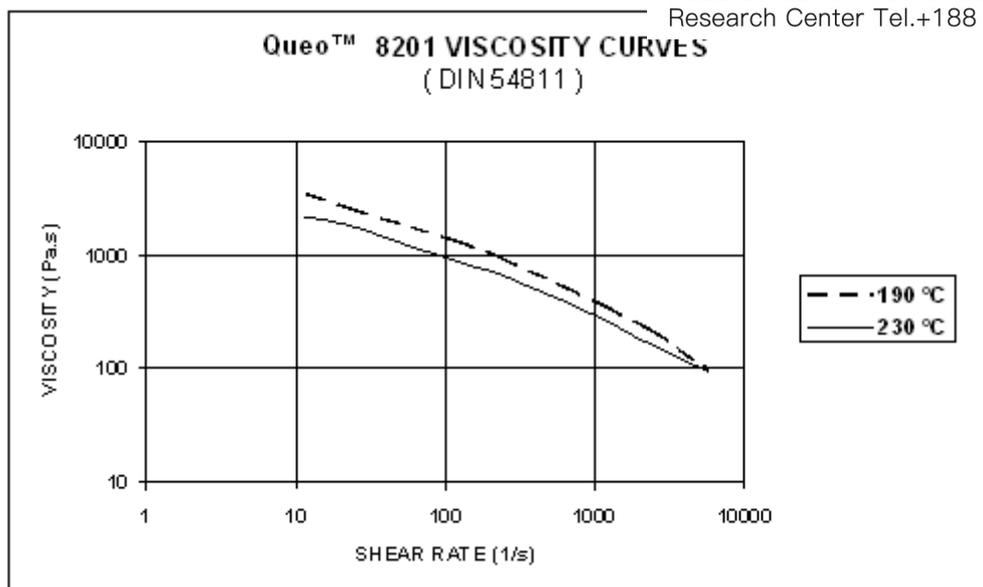
General properties	Units	Typical values [1]	Method
Melt Flow Rate (2.16 kg/190°C)	dg/min	1.1	ISO 1133
Density (23°C)	kg/m ³	882	ISO 1183
Shore A hardness	--	85	ISO 868
Shore D hardness	--	<30	ISO 868
DSC peak melting point	°C	73	ISO 11357
Vicat softening temperature (at 10 N)	°C	50	ISO 306
Brittleness temperature	°C	< -76	ASTM D746

Moulded plaque properties [2]

Tensile strength at break	MPa	23	ISO 527-2 (5A)
Elongation at break	%	750	ISO 527-2 (5A)
Flexural modulus	MPa	23	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)

[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 8201 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 8201 will be provided upon request.

Standard Packaging

Queo 8201 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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