

Queo™ 0201FX

Octene-1 Plastomer

DATA SHEET

Description and Attributes

Queo™ 0201FX is an ethylene based octene plastomer, produced in a solution polymerisation process using a metallocene catalyst.

This grade is intended for use as primary blend partner in high performance seal layers. The additive package is designed to offer improved control of the coefficient of friction of coextruded blown films.

Queo 0201FX offers:

- Low Coefficient of Friction (C.O.F.)
- Improved C.O.F. consistency
- Unrivalled sealing and hot tack properties at low temperature
- Outstanding toughness
- Excellent polyolefin compatibility
- High clarity

Applications

Demonstrated applications include :

- Seal layers in food barrier films
- Laminated structures requiring very high seal integrity
- High speed FFS films
- High strength flexible films

Additives

Queo 0201FX contains 3000 ppm anti block agent and 1200 ppm slip agent, processing aid and stabilisers.

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	902	ISO 1183
Shore D hardness	--	38	ISO 868
DSC peak melting point	°C	95	ISO 11357
Vicat softening temperature (at 10 N)	°C	80	ISO 306
Brittleness temperature	°C	< -76	ASTM D746

Film properties [2]

Gloss		78	ASTM 2457 (45°)
Haze	%	4	ASTM D1003 (A)
Tensile modulus	MPa	60	ASTM D882
Seal initiation temperature	°C	78	ASTM F88
Puncture resistance energy	mJ/mm	650	Internal method
Impact strength (blown film Monsanto dart)	g/μm	> 28	ASTM D1709-75

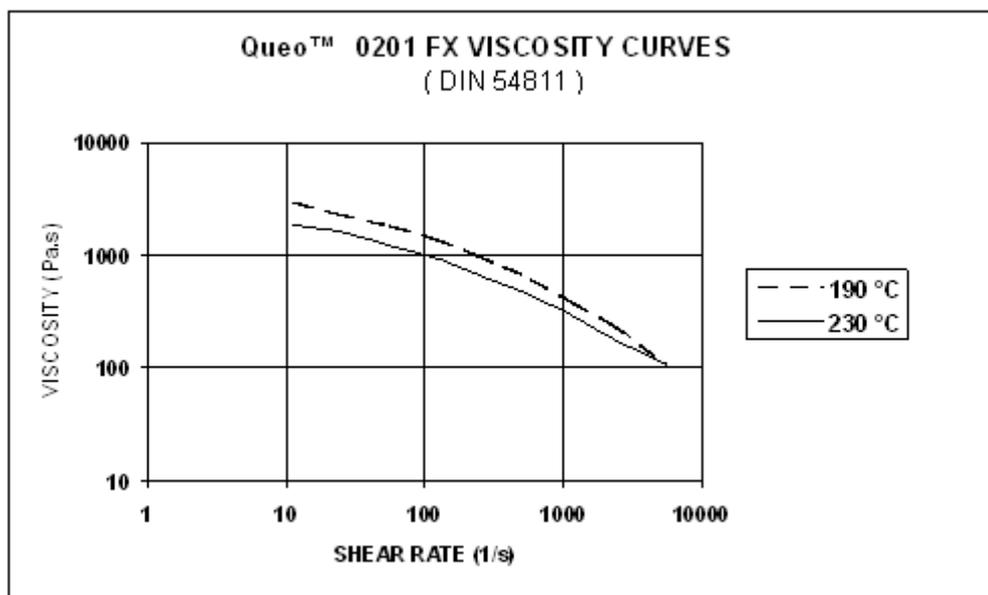
Moulded plaque properties [3]

Tensile strength at break	MPa	33	ISO 527-2 (5A)
Elongation at break	%	710	ISO 527-2 (5A)
Flexural modulus	MPa	68	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 40 μm blown film.

[3] Specifics of compression moulded test specimen.



Food Law Compliance and Product Handling

Queo 0201FX 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 0201 FX will be provided upon request.

Standard Packaging

Queo 0201FX 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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