

Queo™ 0210

Octene-1 Plastomer

DATA SHEET

Description and Attributes

Queo™ 0210 is an ethylene based octene plastomer, produced in a solution polymerisation process using a metallocene catalyst.

Queo 0210 is an effective and versatile blend partner for other polyolefin polymers, providing :

- Excellent PP compatibility
- High flexibility
- Outstanding toughness
- Excellent low-temperature flex-cracking resistance
- High clarity

Applications

Demonstrated applications include :

- Household consumer goods
- High clarity PP moulded goods
- Closures
- Masterbatch carrier
- Wire and cable compounds
- Highly filled compounds
- Extrusion coated structures

General properties	Units	Typical values [1]	Method
Melt Flow Rate (2.16 kg/190°C)	dg/min	10	ISO 1133
Density (23°C)	kg/m ³	902	ISO 1183
Shore D hardness	--	38	ISO 868
DSC peak melting point	°C	97	ISO 11357
Vicat softening temperature (at 10 N)	°C	75	ISO 306
Brittleness temperature	°C	< -76	ASTM D746

Moulded plaque properties [2]

Tensile strength at break	MPa	14	ISO 527-2 (5A)
Elongation at break	%	930	ISO 527-2 (5A)
Flexural modulus	MPa	65	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]

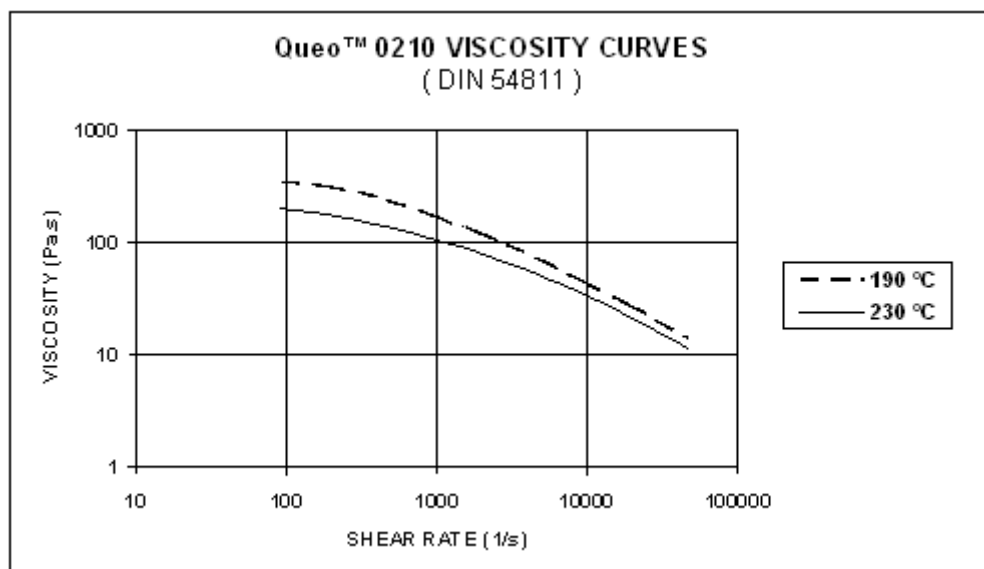
Neck-in at 100 m/min	cm	6.8	Internal method
Draw down	m/min	490	Internal method

[1] Values are typical and not to be interpreted as specifications.

[2] Specifics of compression moulded test specimen.

[3] Determined on pilot extrusion coating line with air gap at 170 mm, constant output at 35 rpm and 295 °C.

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Additives

Queo 0210 contains processing stabilizers.

Food Law Compliance and Product Handling

Queo 0210 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 0210 will be provided upon request.

Standard Packaging

Queo 0210 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.