

Plastomer/Elastomer

Queo™ 0201FX-01

Polyolefin Plastomer

Description

Queo™ 0201FX-01 is an ethylene based octene-1 plastomer, produced in a solution polymerisation process using a metallocene catalyst.

Queo™ 0201FX-01 contains anti block agent, slip agent and stabilizers

Cas No. 26221-73-8

Typical characteristics

Queo™ 0201FX-01 can be described with following typical characteristics:

- Versatile blending with other polyolefins in film, extrusion and moulding applications.
- Unrivalled sealing and hot tack properties at low temperature
- Low Coefficient of Friction (C.O.F.) and improved C.O.F. consistency
- Outstanding toughness
- Outstanding puncture resistance
- Low temperature impact strength
- High clarity

Applications

- High speed FFS film
- High strength flexible film
- Laminated structures requiring very high seal integrity
- Sealing layer in coextrusion

Queo 0201FX-01 is intended for use as primary blend partner in high performance seal layers with an additive package designed to offer improved control of the coefficient of friction of coextruded blown films.

Physical properties

Property	Typical value *	Unit	Test method
Density	902	kg/m ³	ISO 1183-1
Melt flow rate (190 °C/2.16 kg)	1.1	g/10min	ISO 1133-1
Flexural modulus	67	MPa	ISO 178
Tensile Modulus ¹	65	MPa	ASTM D638
Elongation at Break ¹	300	%	ASTM D638
Melting temperature	95	°C	ISO 11357-3
Vicat softening temperature A50 (10 N)	80	°C	ISO 306
Izod impact strength, notched (23 °C)	NB	kJ/m ²	ISO 180
Hardness, Shore D	35	-	ISO 868

* Data should not be used for specification work

¹ modified method adopted to plastomers and elastomers

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Film properties

Property	Typical value *	Unit	Test method
Dart drop	26	g/μm	ASTM D1709
Gloss (20°)	78	-	ASTM D2457
Gloss 60°	110	GU	ASTM D2457
Haze	6	%	ASTM D1003

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