PRODUCT DATA SHEET

Plastomer/Elastomer

Queo™ 0201FX

Polyolefin Elastomer

Description

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

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

Cas No. 26221-73-8

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 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 co-extruded blown films.

Physical properties

Property	Typical value *	Unit	Test method
Density	902	kg/m³	ISO 1183-1
Melt flow rate (190 °C/2.16 kg)	1.1	g/10min	ISO 1133-1
Flexural modulus [1]	64	MPa	ISO 178
Tensile Modulus [2]	65	MPa	ASTM D638
Elongation at Break [2]	300	%	ASTM D638
Izod impact strength, notched (23 °C) [1]	NB	kJ/m²	ISO 180
Melting temperature	95	°C	ISO 11357-3
Vicat softening temperature A50 (10 N)	80	°C	ISO 306
Hardness, Shore D	35	-	ISO 868

* Data should not be used for specification work

[1] *Measured on moulded plaques*
[2] *Measured on moulded plaques*
Modified method adopted to plastomers and elastomers

Film properties

Property	Typical value *	Unit	Test method
Dart drop	79	g/µm	ASTM D1709
Gloss 20°	78	GU	ASTM D2457
Haze	6	%	ASTM D1003

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Queo™ 0201FX

Packaging and storage

Queo 0201FX, like most polymers, is combustible so the usual precautions concerning ignition sources should be taken in warehouses and storage rooms.
Where large quantities are kept in store, it is necessary to observe the normal rules for orderly stock control and it is recommended to use the first in – first out (FIFO) principle for stock planning. The products should be stored in a dry and clean facility to prevent contamination and not be exposed to direct sunlight as this may lead to quality deterioration. These materials have a shelf life of at least 3 (three) years after date of production, provided the material remains in its original unopened packaging and are stored under the storage conditions as described in this document.

Product compliance documents

Latest versions of product safety information sheets (PSIS), product safety data sheets (SDS) and other product liability documents are available in our website www.borealisgroup.com.

Sustainability aspects

Borealis is ever mindful of the impact of our products on the planet. We promote Design for Circularity (DfC) and Design for Recycling (DfR) to conserve natural resources and to reduce the environmental impact of products over their entire lifetime (including production, use phase and after phase). DfR helps ensure that material can be effectively recycled while maximizing the material performance efficiency.

Further information on sustainability and Design for Recycling (DfR) can be found from our websites www.borealisgroup.com and www.borealiseverminds.com.

Disclaimer

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