

Plastomer/Elastomer

Queo™ 0207LA

Polyolefin Elastomer

Description

Queo™ 0207LA is an ethylene based octene-1 plastomer, produced in a solution polymerisation process using a metallocene catalyst.

Cas No. 26221-73-8

Typical characteristics

Queo™ 0207LA can be described with following typical characteristics:

Versatile blending with other polyolefins in film extrusion and moulding applications.
Outstanding toughness
Outstanding puncture resistance
Low temperature impact strength

High flexibility and surface softness
Excellent low-temperature flex-cracking resistance
High clarity
Unrivalled sealing properties
High filler acceptance

Applications

Queo™ 0207LA is intended for following applications:

Compounds
High speed FFS film
High strength flexible film

Impact modification
Laminated structures requiring very high seal integrity
Sealing layer in coextrusion

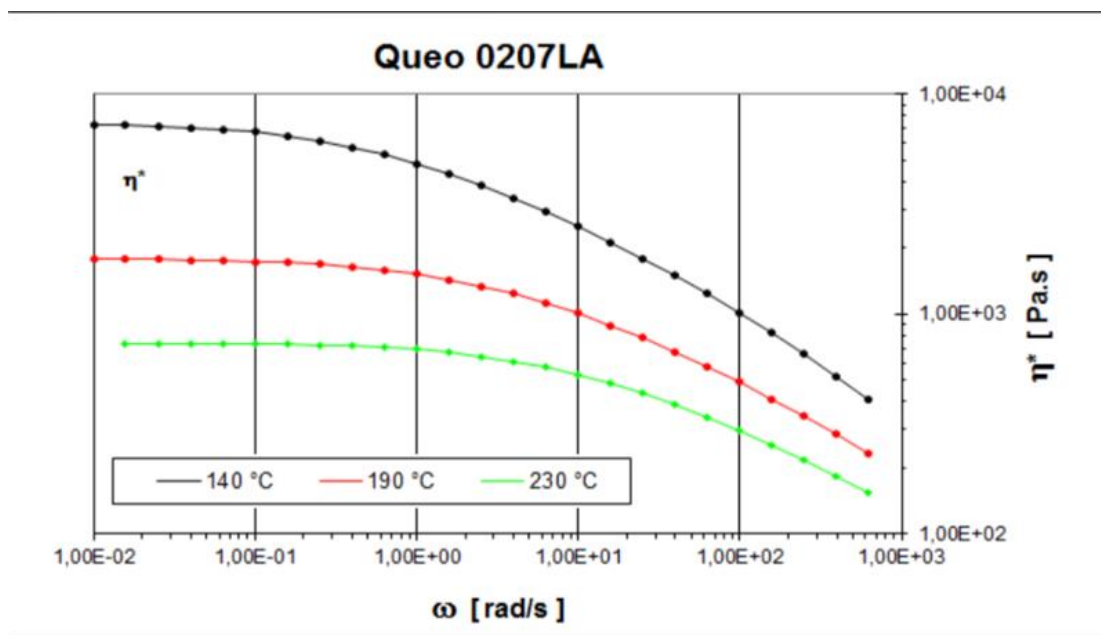
Physical properties

Property	Typical value *	Unit	Test method
Density	902	kg/m ³	ISO 1183-1
Melt flow rate (190 °C/2.16 kg)	6.6	g/10min	ISO 1133-1
Flexural modulus ¹	77	MPa	ISO 178
Tensile modulus	64	MPa	
Tensile strength ¹	22	MPa	ISO 527-2
Tensile strain at break ¹	943	%	ISO 527-2
Melting temperature	96	°C	ISO 11357-3
Vicat softening temperature A50 (10 N)	73	°C	ISO 306
Brittleness temperature	< -90	°C	ASTM D746
Hardness, Shore A	>90	-	ISO 868
Hardness, Shore D	34	-	ISO 868

* Data should not be used for specification work

¹ Measured on moulded plaques.

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Packaging and storage

Queo™ 0207LA, 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

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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It is the customer's responsibility to inspect and test our products in order to satisfy itself as to the suitability of the products for the customer's particular purpose. The customer is responsible for the appropriate, safe and legal use, processing and handling of our products.

No liability can be accepted in respect of the use of any Borealis product in conjunction with any other products and/or materials. The information contained herein relates exclusively to our products when not used in conjunction with any other material unless as specifically provided for in the test methods stated above.