

PRODUCT DATA SHEET

14.08.2019 Ed.2



Plastomer/Elastomer

Queo™ 6201LA-P

Description

Queo 6201LA-P is an ethylene based octene-1 elastomer, produced in a solution polymerisation process using a metallocene catalyst.
The material is powdered with talcum to prevent sticking of the pellets.

CAS-No. 26221-73-8

Applications

Automotive and Construction TPO
EPDM profile and cable manufacturing

EPDM replacement / TPV / grafting

Additives

Queo 6201LA-P contains a low amount of processing stabilizers. The material is powdered with talcum to prevent sticking of the pellets.

Special Features

Outstanding low temperature impact in Automotive and Construction TPOs

Polymer modifier in various polymer blends

Physical Properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Density	862 kg/m ³	ISO 1183
Melt Flow Rate (190 °C/2,16 kg)	1,0 g/10min	ISO 1133
Tensile Modulus	4,0 MPa	ASTM D638-T4
Elongation at Break	> 800 %	ASTM D638-T4
Melting temperature (DSC)	49 °C	ISO 11357-3 Rate 10°C/min
Brittleness temperature	< -90 °C	ISO 974
Izod Impact Strength, notched (23 °C)	No break	ISO 180:2000
Hardness, Shore A	61	ISO 868
Hardness, Shore D	16	ISO 868

Other properties

Property	Typical Value	Test Method
Data should not be used for specification work		
Mooney viscosity ML (1+4) 100 °C	31	DIN 53523-3:1976

Queo is a trademark of the Borealis group.

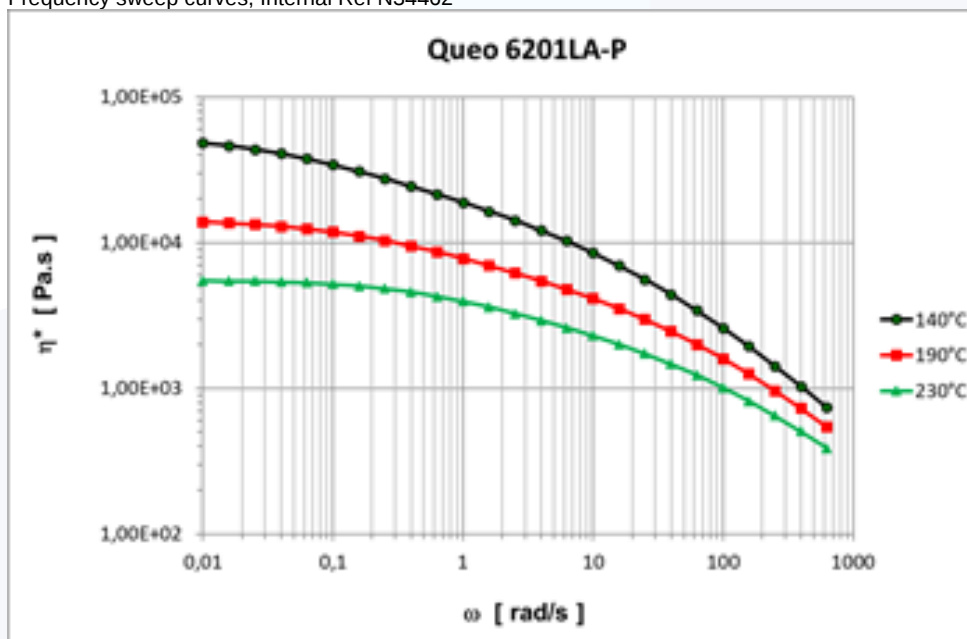
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Frequency sweep curves, Internal Ref N34462



Storage

Queo 6201LA-P This polymer, 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. “Shelf life” means that there will not be any substantial difference compared to the agreed specification. The date of batch creation can be derived from the batch code printed on the bags representing YYMMDDHLL (LL being two letters with no reference to the production time). Borealis Plastomers generally does not sell prime material older than 2 (two) years unannounced. The lower density Queo materials (< 880 kg/m³) are more sensitive to temperatures. Therefore the following specific storage and handling guidelines have to be taken into account:

- The product should not be stored for extended periods or transferred at ambient temperatures exceeding 25 degrees Celsius
- The products should not be stacked when in bags or super sacks

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Queo 6201LA-P**Safety**

For info on safety please see Product Safety Information Sheet.

Recycling

The product is suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

Please see our "Safety data sheet" / "Product safety information sheet" for details on various aspects of safety, recovery and disposal of the product. For more information, contact your Borealis representative.

Related Documents

For general and grade specific compliance documents please see Borealis' homepage www.borealisgroup.com or ask your Borealis representative.

Issuer:

Marketing Advanced Products / Edwin Verdurmen
Product Management / Christian Merz

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.

To the best of our knowledge, the information contained herein is accurate and reliable as of the date of publication; however we do not assume any liability whatsoever for the accuracy and completeness of such information.

Borealis makes no warranties which extend beyond the description contained herein. Nothing herein shall constitute any warranty of merchantability or fitness for a particular purpose.

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.

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