

Plastomer/Elastomer

Queo™ 0210LA

Description

Queo™ 0210LA is an ethylene based octene-1 plastomer, produced in a solution polymerisation process using a metallocene catalyst.

CAS-No. 26221-73-8

Applications

Queo 0210LA Demonstrated applications include:

Seal layers in lamination and flexible barrier films
High clarity PP moulded goods
Closures
Masterbatch carrier

Wire and cable compounds
Highly filled compounds
Extrusion coating

Additives

Queo 0210LA contains a low amount of processing stabilizers

Special Features

Queo 0210LA is optimised to deliver:

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
High clarity
Excellent low-temperature flex-cracking resistance

Physical Properties

| Property | Typical Value | Test Method |
|--|-----------------------|-------------|
| Data should not be used for specification work | | |
| Density (23 °C) | 902 kg/m ³ | ISO 1183 |
| Melt Flow Rate (190 °C/2,16 kg) | 10 g/10min | ISO 1133 |
| Tensile Strength ¹ | 16 MPa | ISO 527-2 |
| Elongation at Break ¹ | 930 % | ISO 527-2 |
| Melting temperature (DSC) | 96 °C | ISO 11357-3 |
| Vicat softening temperature (10 N) | 74 °C | ISO 306 |

¹ Measured on moulded plaques.

Storage

Queo 0210LA 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.

Safety

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.

Queo is a trademark of the Borealis group.

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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.

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 / Gabriele Poinsitt

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.