

# LAPRENE® 83SS00543 NEUTRO

## LAPRENE®

### Product information

Resin Identification	SEBS	ISO 1043
Part Marking Code	>SEBS<	ISO 11469

### Rheological properties

Melt mass-flow rate	56 g/10min	ISO 1133
Melt mass-flow rate, Temperature	190 °C	
Melt mass-flow rate, Load	5 kg	

### Typical mechanical properties

Tensile stress at 100% elongation	1.2 MPa	ISO 527-1/-2 or ISO 37
Stress at 300% elongation	1.7 MPa	ISO 527-1/-2 or ISO 37
Stress at break	5.9 MPa	ISO 527-1/-2 or ISO 37
Elongation at break, perpendicular	838 %	ISO 527-1/-2 or ISO 37
Shore A hardness, 3s	53	ISO 48-4 / ISO 868
Compression set, 70 °C, 24h	38 %	ISO 815
Tear strength, normal	22 kN/m	ISO 34-1

### Physical/Other properties

Density	1180 kg/m <sup>3</sup>	ISO 1183
---------	------------------------	----------

### Injection

Drying Recommended	yes
Drying Temperature	80 °C
Drying Time, Dehumidified Dryer	2 h
Melt Temperature Optimum	180 °C
Min. melt temperature	170 °C
Max. melt temperature	190 °C
Screw tangential speed	≤15 m/s
Mold Temperature Optimum	30 °C
Min. mould temperature	20 °C
Max. mould temperature	40 °C

### Characteristics

Processing	Injection Moulding
------------	--------------------

### Additional information

Processing Notes

#### Pre-Drying

Drying not necessary

#### Storage

Laprene must be stored indoors in the original, unopened and undamaged packaging, away from direct sunlight, moisture and heat.

# LAPRENE® 83SS00543 NEUTRO

## LAPRENE®

Printed: 2025-05-30

Page: 2 of 2

Revised: 2024-05-24 Source: Celanese Materials Database

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colourants or other additives may cause significant variations in data values. Properties of moulded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Other than those products expressly identified as medical grade (including by MT® product designation or otherwise), Celanese's products are not intended for use in medical or dental implants. Regardless of any such product designation, any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use. To the best of our knowledge, the information contained in this publication is accurate; however, we do not assume any liability whatsoever for the accuracy and completeness of such information. The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. It is the sole responsibility of the users to investigate whether any existing patents are infringed by the use of the materials mentioned in this publication. Moreover, there is a need to reduce human exposure to many materials to the lowest practical limits in view of possible adverse effects. To the extent that any hazards may have been mentioned in this publication, we neither suggest nor guarantee that such hazards are the only ones that exist. We recommend that persons intending to rely on any recommendation or to use any equipment, processing technique or material mentioned in this publication should satisfy themselves that they can meet all applicable safety and health standards. We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products.

© 2025 Celanese or its affiliates. All rights reserved. Celanese®, registered C-ball design and all other trademarks identified herein with ®, TM, SM, unless otherwise noted, are trademarks of Celanese or its affiliates. Fortron is a registered trademark of Fortron Industries LLC.