

Technical Data Sheet

Pearlbond™ 523 is a linear, polycaprolactone-copolyester polyurethane, supplied in form of white spherical granules with a very high crystallization rate and a very high thermoplasticity level.

PRODUCT SPECIFICATION

| | | |
|--|------------------------|-----------------|
| Melt Flow Index (170°C/2.16 Kg) | 60–100 g/10 min | ISO 1133 |
|--|------------------------|-----------------|

PRODUCT CHARACTERISTICS*

| Property | Typical Values* | Test Method |
|------------------------|------------------------|-------------|
| Density @ 20°C | 1.19 g/cm ³ | ISO 2781 |
| OH Value | < 5 mg KOH/g. | MQSA 47A |
| Moisture Content | < 0.15% | MQSA 44 |
| Crystallization rate | 9–11 min. | MQSA 12A |
| Melt Viscosity @ 130°C | 380 Pa.s | ISO 1133 |
| Melting Point | 62 ± 2°C | MQSA 70A |
| Thermoplasticity | Very High | MQSA 68A |

*These typical values provide general information, not for use as product specification.

APPLICATIONS

Pearlbond™ 523 can be added to formulations of REACTIVE POLYURETHANE HOT-MELTS (*HMPUR*), in order to improve the crystallisation speed.

HEALTH AND SAFETY

A safety data sheet on **Pearlbond™ 523** is available, with all safety information. The usual safety practices in the handling of chemicals should be observed, i.e.: good ventilation in the working area, gloves and protective goggles.

PACKAGING

Multifoil paper bags and PE bags containing 25 Kg.
Pallet of 750 Kg of weight.

STORAGE

Pearlbond™ 523 must be stored in a cool (15–25°C) and environment prior to being processed. Standard practice of consuming resin on first-in first-out basis should be employed.

For further information refer to Lubrizol Advanced Materials processing guides.

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Lubrizol Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Lubrizol Advanced Materials, Inc.'s direct control. The SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. Nothing contained herein is to be considered as permission, recommendation nor as an inducement to practice any patented invention without permission of the patent owner.

© 2018 The Lubrizol Corporation.
All rights reserved. All marks are the property of The Lubrizol Corporation.



<http://go.lubrizol.com/EP>