

Technical Data Sheet

Pearlbond™ 503 is a linear, polycaprolactone-copolyester polyurethane, supplied in form of white spherical granules with a 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
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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	15–17 min.	MQSA 12A
Melt Viscosity @ 130°C	500 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™ 503 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™ 503** 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™ 503 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.

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