

# PURASORB® PLD 9655

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## Product data sheet

### Description

PURASORB PLD 9655 is a GMP grade copolymer of L-lactide and D-lactide in a 96/04 molar ratio and with an inherent viscosity midpoint of 5.5 dl/g. It is supplied in the form of white to light tan granules. PURASORB PLD 9655 is primarily used for medical device applications and is suitable for all commonly used polymer processing techniques.

### Specification

Test	Method	Specification
Appearance	visual	white to light tan granules
Identification	FTIR	conforms to reference
L-lactide content	Polarimetry	94 - 98 mol%
D-lactide content	Polarimetry	06 - 02 mol%
Inherent viscosity	CHCl <sub>3</sub> , 25°C, 0.1 g/dl	4.8 – 6.5 dl/g
Residual monomer	GC	max. 0.1 wt. %

For each batch a certificate of analysis is provided, showing the analytical data determined in our quality control laboratory. Additional analytical data can be made available upon request.

### Physical-chemical properties

Molecular formula	[O-CH(CH <sub>3</sub> )-CO] <sub>n</sub>
Chemical name	(3R-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione, polymer witch (3S-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione
CAS Registry number	127514-57-2 80531-02-8

### Packaging

PURASORB PLD 9655 can be supplied in 1 or 5 kg packages. Normal packaging consists of an inner bag of clean room grade PE and an outer bag of aluminum coated polyester-PE laminate. The packed product is shipped in an additional bag of PE and in PE containers for added protection.

### Storage & Handling

When stored in the original packaging at low temperatures (-15°C), PURASORB PLD 9655 keeps its initial properties for five years.

Current stability studies indicate that when stored in the original packaging at room temperature PURASORB PLD 9655 keeps its initial properties for at least one year.

Allow the material to reach room temperature before opening the packaging. After opening the original packaging PURASORB PLD 9655 is best stored in an inert atmosphere and at low temperatures (-15°C).