

# PURASORB® PLDL 7038

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## Product data sheet

**Description** PURASORB PLDL 7038 is a GMP grade copolymer of L-lactide and DL-lactide in a 70/30 molar ratio and with an inherent viscosity midpoint of 3.8 dl/g. It is supplied in the form of white to light tan granules. PURASORB PLDL 7038 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	67 - 73 mol%
	DL-lactide content	Polarimetry	33 - 27 mol%
	Inherent viscosity	CHCl <sub>3</sub> , 25°C, 0.1 g/dl	3.3 - 4.3 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.

<b>Physical-chemical properties</b>	Molecular formula	$(C_6H_8O_4 * C_6H_8O_4)_n$
	Chemical name	(3S-cis)-3,6-dimethyl-1,4-dioxane-2,5-dione, polymer with 3,6-dimethyl-1,4-dioxane-2,5-dione
	CAS Registry number	52305-30-3

**Packaging** PURASORB PLDL 7038 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 PLDL 7038 keeps its initial properties for five years.

Current stability studies indicate that when stored in the original packaging at room temperature PURASORB PLDL 7038 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 PLDL 7038 is best stored in an inert atmosphere and at low temperatures (-15°C).