

Technical Data Sheet

Durite™ Resin PD-1672

Description

High purity cresol formaldehyde resin

Application

PD-1672 is used in semiconductor photoresist applications

Typical Properties

Target Value			
	PD-1672 Slow	PD-1672	PD-1672 Fast
Appearance	Crushed solid		
Bulk dissolution rate, 2.38% TMAH developer, PAB 110°C/60 seconds	ca. 60 - 140Å/sec	ca. 50 - 200Å/sec	ca. 140 - 240Å/sec
Average molecular weight, GPC	ca. 9000 – 14000 g/mol	ca. 7000 – 14000 g/mol	ca. 6000 – 10000 g/mol
Free cresol content, GC	max 1.0%		
Individual trace metal content, GFAA	max 500 ppb		
Karl Fisher water content	max 0.5%		

Tests are made in accordance with the current Hexion Standard Test Method and are available upon request. The typical properties provided are examples of product attributes and may not be tested.

Storage

PD-1672 should be stored at 25°C in closed containers in a dry location. Over time the material may darken, could pick up moisture and potentially sinter.

Handling

This product has to be used and disposed of according to the indications given in its safety data sheet. Hexion Inc. solid products, including but not limited to powders and flake resin products, can be combustible and present a fire or explosion hazard under certain conditions (including, but not limited to when dusts are finely divided and suspended in air and/or allowed to accumulate on surfaces). Fine dust clouds may form explosive mixtures. The buyer must comply with all laws, regulations and standards applicable to the possession, handling and use of solid products by the buyer. Please consult US NFPA Standard 652 & 654, UK HSE Guidance HSG 103, or other national guidance on safe handling of combustible dusts.

Packaging

125kg drum

Durite Resin PD-1672

<https://www.hexion.com/en-US/product/durite-resin-pd-1672->

Generated: April 29, 2024

Issue Date:

Revision:

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Note

As part of our quality assurance efforts, we ensure compliance with the indicated product parameters at the time of shipping. Phenolic resins are known to be subject to a process of change that depends on the storage and transportation conditions. Even when the material is stored at the conditions indicated above, the useful life must be individually verified by the user of our products.