Delrin® Acetal Homopolymer Drinking Water Contact Portfolio





Delrin® offers a comprehensive portfolio of high-performance acetal homopolymer (HPOM) grades specifically optimized for components intended for contact with drinking water. Backed by decades of application experience and proven long-term performance, these Delrin® grades comply with major international drinking water contact regulatory requirements, including:

- NSF/ANSI 61 – Suitability for contact with drinking water
- WRAS (Water Regulations Advisory Scheme, UK)
- ACS (Attestation de Conformité Sanitaire, France)
- KTW (Kunststoffe im Trinkwasser, Germany)

Features

- Supporting regulatory documentation
- Consistent performance and dimensions in wet/dry environments
- High mechanical strength and stiffness
- Enhanced fatigue resistance and toughness over a wide temperature range
- Compatible with common beverage ingredients
- Low carbon footprint grades (Renewable Attributed 'RA')

Benefits

- Faster part qualification
- Greater performance and reliability
- Expanded freedom to design complex parts
- Lower risk of product recalls and associated cost savings
- Improved sustainability

Applications

- Filtration components
- Fixtures and tanks
- Beverage dispensers
- Pumps and impellers
- Sanitary parts
- Pipe joints & connectors

Portfolio Category	Grade	NSF 61		WRAS		ACS	KTW
		23°C	82°C	23°C	85°C	23-85°C	23°C
High viscosity, designed for extrusion processes	Delrin® 150 NC010	●	●				
	Delrin® FG150 NC010	●	●				
	Delrin® RAFG150 NC010	●	●				
High performance with best combination of toughness and impact strength; flow from high to low viscosity	Delrin® 100 NC010	●	●				
	Delrin® FG100 NC010	●	●	●		●	●
	Delrin® RAFG100 NC010	●	●	●		●	●
	Delrin® 100P BK602	●	●	●			
	Delrin® 100P NC010	●	●	●			
	Delrin® FG100P NC010	●	●				
	Delrin® 500 NC010	●	●				
	Delrin® 500P BK602	●	●	●			
	Delrin® 500P NC010	●	●	●			
	Delrin® FG500P NC010	●	●	●			
	Delrin® RAFG500P NC010	●	●	●			
	Delrin® 900P BK602			●			
	Delrin® 900P NC010			●			
Enhanced crystallization technology for faster cycle times, excellent creep and fatigue resistance and dimensional stability; flow from high to low viscosity	Delrin® FG51HS NC010			●		●	●
	Delrin® 511DP NC010	●	●				
	Delrin® FG511DP NC010	●	●	●	●		
	Delrin® RAFG511DP NC010	●	●	●	●		
	Delrin® FG911DP NC010	●	●				
Low wear/low friction (PTFE-modified)	Delrin® 500AF	●	●				
Reinforced for enhanced stiffness	Delrin® 570 NC000	●	●				

FG denotes food contact grades with compliance to FDA, EU10/2011 and GMP (EC) 2023/2006.
RA denotes Renewable Attributed. ISCC+ mass balance certified, 100% bio-based. Up to 75% reduced carbon footprint.

To learn more, contact your Delrin representative or visit Delrin.com.

Delrin® is an industry-leading premium industrial polymer business. Grounded in strong innovation, Delrin is a category creator with a longstanding reputation for quality, reliability, supply and product performance. The iconic Delrin brand, coupled with proprietary technology and deep application expertise make us a leader in the high-end engineering polymer market. Delrin has exciting growth prospects from exposure to automation, actuation, healthcare, mobility and consumer applications.

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