

Caps & Closures Resins



SURPASS® IGs153-A resin for water and beverage closures

*As brand owners demand better performing, more sustainable packaging, NOVA Chemicals is positioned to deliver a portfolio of performance resins specifically tailored to meet these needs. Our signature caps and closures product, **SURPASS IGs153-A** is a high purity performance polyethylene resin with superior organoleptic properties and excellent processibility for bottled water and beverage applications.*



By closely working with our customers to clearly understand their needs, we successfully create resins that allow them to deliver cost-effective, sustainable, high-performing packaging solutions.

SUSTAINABILITY

Closures made with **SURPASS IGs153-A resin** provide brand owners a more sustainable alternative to closures made with traditional resins. They support short-height industry bottle finishes allowing molders and brand owners to realize a resin reduction of up to 40% compared to traditional designs. This material reduction equates to lower energy consumption by the molder and substantial carbon footprint savings while reducing costs throughout the supply chain.

TECHNOLOGY & SERVICE

Engineered using NOVA Chemicals' proprietary reactor and catalyst technology, **SURPASS IGs153-A** is a bimodal high density polyethylene resin that provides molders and brand owners with an enhanced new material option for injection and compression molded closure applications. Known for superior service and technical expertise, NOVA Chemicals' service teams work to help customers succeed at every step of the product development process - from initial project conception to post-commercialization support.

PERFORMANCE

Designed with the needs of molders, brand owners and consumers in mind, **SURPASS IGs153-A resin** delivers superior organoleptic properties to closures that preserve the clean, natural taste of bottled water. **SURPASS IGs153-A resin** processes exceptionally well for high cavity injection and compression molding applications, meeting molders demanding cycle time requirements while yielding low scrap rates.

Why Partner with NOVA Chemicals?

NOVA Chemicals creates value by developing innovative technology and products with a strong commitment to the customer - that means investing in relationships as well as R&D, and maintaining a culture of respect and honesty.

We consistently deliver new and innovative products and business opportunities to molders. We pride ourselves in our ability to understand the needs of you and your customer and deploy the appropriate resources – whether it is sales, marketing, technical or customer service support – to create value.

NOVA Chemicals' Caps and Closures Product Portfolio

Our caps and closures resins provide solutions for still water, dairy, juice, home and office water delivery and dispensing beverage closures.

GRADE	TYPE	CLOSURE TYPE	DENSITY (g/cm ³)	MELT INDEX (g/10min)	FLEXURAL MODULUS (MPa)
NOVAPOL LF-0718-A resin	LDPE	Dairy, juice, HOD water	0.917	7	236
NOVAPOL LM-4021-L resin	LDPE	Dairy, juice	0.921	40	295
NOVAPOL LM-2522-A resin	LDPE	Dairy, juice	0.922	25	295
NOVAPOL LM-0724-A resin	LDPE	Dairy, juice	0.924	7	345
SCLAIR 72A resin	LLDPE	Dairy, juice	0.924	20	375
SCLAIR 2114 resin	LLDPE	Dairy, juice	0.925	52	345
SCLAIR 8107 resin	LLDPE	Dairy, juice	0.925	4.8	400
SCLAIR 2710 resin	HDPE	Water, beverages, sports caps	0.951	17	1000
SCLAIR 2712 resin	HDPE	Water, beverages, sports caps	0.951	32	1000
SCLAIR 2714CC resin	HDPE	Dispensing beverage	0.951	32	1000
SURPASS IGs153-A resin	HDPE	Bottled water	0.953	1.5	1240
SCLAIR IG454-A resin	HDPE	Bottled water	0.954	9	1230



Learn more at www.surpassresins.com/caps_and_closures


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