



Info Sheet
Rigid Packaging

Caps & Closures

Market Focus Overview
and Product Portfolio

Accelerating Customer Success through Ingenuity and Collaboration

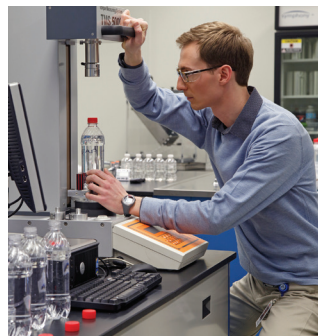
At NOVA Chemicals, our mission is to be the leader in innovation that enables our customers to deliver plastic products that make everyday life healthier, easier and safer. We strive to be the most collaborative partner across the supply chain, working closely with equipment manufacturers, converters, and brand owners to deliver new products and applications that meet consumer demands. Ultimately, we aim to accelerate our customers' success and help them to grow their business.

End-to-end Product and Applications Development Under One Roof

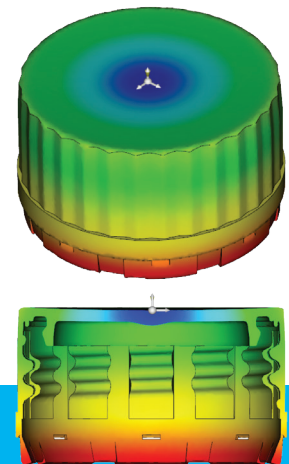
NOVA Chemicals' 87,000 square foot Centre for Performance Applications is dedicated to polyethylene applications development work in a range of rigid and flexible markets.



SACMI commercial-scale compression molding line



Modeling, simulation and testing allow evaluation of different resins and closure designs



Sumitomo (SHI) Demag injection molding press with four-cavity pilot mold

Caps and closures capabilities at the Centre include state-of-the-art molding equipment and a dedicated caps testing lab. Injection and compression molding equipment replicates customer capabilities, provides R&D flexibility and allows for real-life trials and testing. The lab was built around customer specifications with ISBT and other brand owner-approved downstream test equipment that simulates molders' manufacturing methods and application performance under real-world conditions. Prototyping, testing and modeling we do in-house saves our customers' resources and valuable line time – allowing them to focus on commercial production while speeding time to market for new products and applications.

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Performance Polyethylene Cap and Closure Resins

Our suite of injection and compression molding products – NOVAPOL[®], SCLAIR[®], and SURPASS[®] performance resins – enable an unbeatable combination of physical properties, processability and organoleptic properties, allowing molders to deliver lighter closures faster, and meet the evolving needs and consumer preferences in the marketplace.



BRAND	GRADE	TYPE	APPLICATION	DENSITY	MELT INDEX (g/10 min)	FLEXURAL MODULUS (MPa)
SURPASS	CCs757-A	HDPE	Water, hotfill	0.957	7	1375
SURPASS	CCs167-AB	HDPE	Barrier	0.967	1	1940
SURPASS	HPs667-AB	HDPE	Barrier	0.967	6	1940
SCLAIR	2114	LLDPE	HOD, water, dairy, juice	0.925	52	345
SCLAIR	8107	LLDPE	Dairy, juice	0.925	5	400
SCLAIR	2607	HDPE	Industrial and specialty caps	0.947	4.8	860
SCLAIR	2710CC	HDPE	Personal care, beverage	0.951	17	1000
SCLAIR	2712CC	HDPE	Personal care, beverage	0.951	32	1000
SCLAIR	2714	HDPE	Personal care, beverage	0.951	51	1000
SCLAIR	2807CC	HDPE	Hotfill	0.954	6.7	1070
SCLAIR	2907	HDPE	Industrial, specialty caps and overcaps	0.960	5	1280
SCLAIR	2908	HDPE	Industrial, specialty caps and overcaps	0.961	7	1280
SCLAIR	2909	HDPE	Industrial, specialty caps and overcaps	0.961	13	1280
NOVAPOL	PI-2024-A	LLDPE	Fitments and specialty caps	0.924	20	415
NOVAPOL	LF-0718-A	LDPE	HOD water	0.917	7	235
NOVAPOL	LA-0219-A	LDPE	Liners	0.918	2	245