

# Injection Molding

## Product Summary Sheet

Grade	Type	End-Use Application	Density	Melt Index	Flexural Modulus		Tensile Strength		Elongation	Softening Point (Vicat)	
			D 792	Cond. 190/2.16	50 mm/min. (2 in/min.)		50 mm/min. (2 in/min.)		D 638	D 1525	
			g/cm <sup>3</sup>	D 1238 (1)	MPa	psi	MPa	psi	%	°C	°F
<b>General Purpose</b>											
NOVAPOL® LF-0718-A	LDPE	Injection molding of tamper-evident caps and closures	0.917	7	236	34,229	11	1595	548	83	181
NOVAPOL LM-2522-A	LDPE	Injection molding of caps, closures, and other specialty products	0.922	25	295	42,800	8.2	1190	175	86	187
NOVAPOL LM-0724-A	LDPE	Injection molding of tamper-evident caps and closures	0.924	7	345	50,000	11	1595	500	97	207
NOVAPOL PI-2024-A	LLDPE	Housewares, containers, closures and lids, compounding	0.924	20	415	60,200	9.0	1300	200	91	196
SCLAIR® 72A	LLDPE	Housewares, containers, caps and closures, lids, compounding	0.924	20	375	54,390	12.4	1800	550	92	198
SCLAIR 8107	LLDPE	Housewares, containers, closures and lids, compounding	0.925	4.8	400	58,020	10.5	1500	850	91	196
SCLAIR 2607	HDPE	Roll-out carts	0.947	4.8	860	125,000	22	3200	1000	122	252
SCLAIR 2709	HDPE	Housewares, containers, toys, custom molding	0.951	14	1000	145,000	25	3625	550	125	257
SCLAIR 2710	HDPE	Housewares, caps and closures, containers, toys	0.951	17	1000	145,000	23	3400	530	120	248
SCLAIR 2712	HDPE	Aerosol overcaps, food containers, frozen food containers, seedling trays, berry boxes, caps and closures	0.951	32	1000	145,000	23	3400	200	120	248
SURPASS® IGs153-A	HDPE	Caps and closures	0.953	1.5	1200	174,000	26.8	3890	910	127	261
SCLAIR 2807	HDPE	Industrial and lubricant pails, caps and closures	0.954	6.7	1070	155,000	28	4100	1300	124	255
SCLAIR IG454-A	HDPE	Pails, totes, storage bins, crates, caps and closures	0.954	9	1230	178,400	28.5	4135	1200	128	262
SCLAIR 2906	HDPE	Protective sports equipment, safety helmets, high impact custom molding	0.958	2.8	1240	180,000	30	4350	1600	129	264
SCLAIR 2907	HDPE	Protective sports equipment, safety helmets	0.960	4.9	1280	185,000	29	4200	1500	129	264
SCLAIR 2908	HDPE	Tote boxes, beverage crates	0.961	7	1280	185,000	29	4200	1200	129	264
SCLAIR 2908C	HDPE	Tote boxes, beverage crates	0.961	10	1280	185,000	29	4200	900	129	264
SCLAIR 2909	HDPE	Tote boxes, beverage crates	0.962	13	1280	185,000	29	4200	800	129	264
SCLAIR IG464-C	HDPE	Crates, pallets, totes, pails	0.964	10	1700	246,565	33	4785	100	131	268
<b>High Flow</b>											
NOVAPOL LM-4021-L	LDPE	Injection molding of caps, closures, and other specialty products	0.921	40	295	42,800	9.4	1360	130	86	187
SCLAIR 2114	LLDPE	Container (tub) lids, caps and closures	0.925	52	345	50,000	10	1500	100	87	189
SURPASS IFs730-R	MDPE	Thin wall lids for food packaging containers	0.930	85	526	76,290	15.2	2205	104	101	214
SCLAIR 2316	MDPE	Thinwall container lids and closures	0.931	72	520	75,000	14	2000	55	100	212
SURPASS IFs932-R	MDPE	Lids for non-frozen, thin wall, food packaging containers	0.932	150	574	83,252	15.8	2292	80	103	217
SCLAIR 2714	HDPE	Ice cream containers, housewares	0.951	51	1000	145,000	23	3400	15	119	247
SCLAIR 2815	HDPE	Margarine and spreads, thin walled containers, frozen food containers	0.952	69	1070	155,000	26.2	3800	10	123	253

(1) Properties designated have been determined using methods which are in accordance with or substantially in accordance with the specified testing standards.

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