

Small-Part Blow Molding Product Summary Sheet

Product Summary Sheet

polyethylene

GRADE	END-USE APPLICATION	MELT INDEX	DENSITY	ESCR	Flexural Modulus		Tensile Strength ⁽¹⁾		Elongation	Vicant Softening Point		Shore D
		ASTM D 1238	ASTM D 792	ASTM D 1693	(1% secant)	ASTM D 790	ASTM D 638	ASTM D 638	ASTM D 1525	ASTM D 2240		
		g/10 min	g/cm ³	F ₅₀ , hrs	MPa	Kpsi	MPa	psi	50 mm/min (%)	°C	°F	
SCLAIR® 19C	High gloss, personal/cosmetic packaging, low/moderate ESCR applications	0.95	0.958	20 ⁽²⁾	1,240	183	27.6	4,000	1,200	126	259	67
SCLAIR® 56B4	Very high ESCR requirements, ideally suited for use in most food, pharmaceutical, and HIC applications requiring little or no stacking resistance	0.34	0.947	>1,000 ⁽³⁾	970	143	23.0	3,200	675	124	254	64
SCLAIR® 58A	Pharmaceutical and food packaging, HIC containers, automotive fluid bottles	0.41	0.957	100 ⁽³⁾	1,210	179	31	4,400	860	125	257	67
SCLAIR® 59A	Juice, water containers, personal protective equipment, grain elevator buckets, designed for accumulator and reciprocating-screw machines	0.72	0.962	25 ⁽³⁾	1,350	200	29	4,200	1,000	130	260	65
NOVAPOL® HB-L354-A	Pharmaceutical and food packaging, HIC containers, automotive fluid bottles	0.30	0.955	48 ⁽³⁾	1,180	175	31	4,540	900	125	257	-
NOVAPOL® LF-0219-A	LDPE for small-squeeze bottles	2.3	0.919	<5 ⁽²⁾	190	28	8.9	1,230	630	86	187	52
NOVAPOL® LF-Y819-A	Sports, squeeze bottles	0.75	0.920	31 ⁽²⁾	212	31	9.3	1,290	660	91	196	52

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

(1) Tested at 50mm (2 in.)/min.

(2) Condition A, 100% Igepal at 50°C.

(3) Condition B, 100% Igepal at 50°C.

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