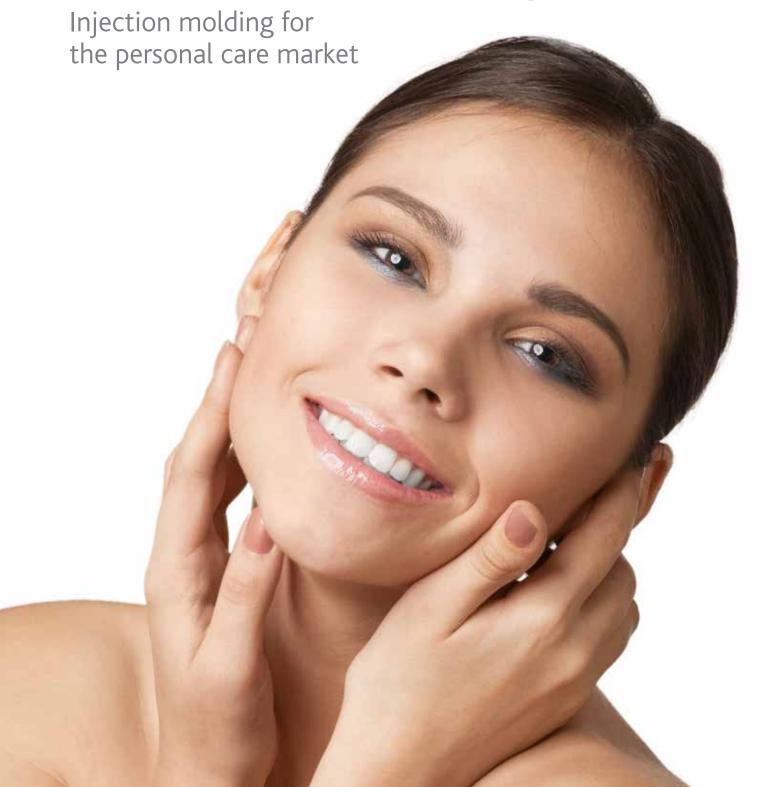


Material selector guide



Material selector guide

Injection molding for the personal care market

		Specific	Deflection temperature °C (°F) ASTM D648		Optical properties ASTM D1003		Flexural modulus			
Product	Appearance/ finish	gravity ASTM D792	@ 1.82 MPa (264 psi)	@ 0.455 MPa (66 psi)	Transmittance %	Haze %	MPa (10⁵ psi) ASTM D790			
Eastar [™] copol		ASTRIBISE	(204 p31)	(00 þ31)	/0		125 in. thickness			
CN005	Clear transparent, high gloss	1.20	63 (145)	71 (160)	90	<0.60	1,800 (2.6)			
EB062		1.25	63 (145)	73 (163)	91	1.30	1,900 (2.7)			
EN067		1.32	61 (142)	66 (151)	84	_	2,600 (3.8)			
GN007 ^a		1.27	62 (143)	70 (158)	90	0.2	2,060 (3.0)			
GN071 ^a		1.27	66 (150)	70 (158)	90	0.2	2,060 (3.0)			
5011ª		1.28	62 (143)	67 (152)	85	0.3	2,200 (3.2)			
DN011		1.23	64 (147)	73 (163)	92	<1.00	1,800 (2.6)			
AN004	Clear transparent, high gloss	1.20	65 (149)	73 (164)	91	0.3	2,000 (2.9)			
AN014		1.19	66 (150)	73 (163)	92	<1.00	1,900 (2.7)			
EN076		1.32	62 (144)	69 (156)	89	0.8	2,350 (3.4)			
Eastman Crist	Eastman Cristal [™] copolyester									
Cristal 400	Extremely clear, high gloss	1.28	61 (142)	68 (155)	92	0.24	1,810 (2.6)			
Eastman Tritan™ copolyesters										
LX101	Clear transparent, high gloss	1.18	99 (210)	85 (185)	90	<1.00	1,550 (2.25)			
LX151HF		1.18	81 (178)	94 (201)	91	<1.00	1,575 (2.8)			
LX201		1.17	92 (198)	109 (228)	92	<1.00	1,585 (2.28)			

^aData are based on limited testing.

Unless noted otherwise, all tests were run @ 23°C (73°F) and 50% relative humidity.

Properties reported here are typical of average lots. Eastman makes no representation that the material in any particular shipment will conform exactly to the values given.

Conversions of metric/U.S. customary values may have been rounded off and therefore may not be exact conversions.

bNonbreak as defined in ASTM D256 using 854J/m (16 ft+lbf/in.) capacity pendulum with 3.2-mm (1/e-in.) specimens.

Rockwell hardness	Notched Izod impact @ 23°C (73°F)		e yield D638	Tensile break ASTM D638	
(R Scale) ASTM D785	J/m (ft•lbf/in.) ASTM D256	Elongation %	Stress MPa (psi)	Elongation %	Stress MPa (psi)
105	70 (1.3)	4.5	50 (7,210)	193	35 (6,240)
105	NB	5	47 (6,900)	300	48 (7,000)
110	58 (1.1)	4	57 (8,200)	134	24 (3,500)
108	105 (1.9)	4.4	50 (7,200)	180	30 (4,300)
108	105 (1.9)	4.4	50 (7,200)	180	30 (4,300)
106	69 (1.3)	_	_	30	25 (3,600)
105	NBb	4	44 (6,300)	330	54 (7,800)
103	80 (1.5)	5	47 (6,900)	320	51 (7,400)
107	80 (1.5)	5	50 (7,200)	270	43 (6,300)
111	67 (1.2)	4	56 (8,100)	75	26 (3,800)
102	104 (1.9)	4.4	50 (7,210)	38	25 (3,600)
112	980 (18.4)	6	43 (6,200)	210	53 (7,700)
111	860 (16.1)	7	43 (6,200)	210	52 (7,500)
115	650 (12.2)	7	44 (6,400)	140	53 (7,700)



The results of insight

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