

The BMC Grade A103 has been specifically formulated for injection molding of automotive headlamp reflector applications. Material exhibits extremely low weight loss factors, exceptional anti-fogging and excellent surface profile for basecoat adhesion and overall aesthetics of the molded part after metallization.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
<b>Physical and Mechanical Properties</b>				
Impact Strength, Notched Izod	ASTM D256, FT- LBS/IN	3.3	ISO-179, kJ/m <sup>2</sup>	16.5
Flexural Strength	ASTM D790, PSI	14,700	ISO-178, MPa	101
Flexural Modulus	ASTM D790, 10 <sup>6</sup> PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	6,700	ISO-527, MPa	46
Compressive Strength	ASTM D695, PSI	17,000	ISO-604, MPa	117
Water Absorption	ASTM D570, %	--	ISO-62, %	--
Specific Gravity	ASTM D792, G/CM <sup>3</sup>	1.85	ISO-1183, --	1.85
Shrinkage	ASTM D955, IN/IN	-0.44	ISO-2577, %	-44
Hardness	ASTM D2583, Barcol	--	ASTM D2583, Barcol	--
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
<b>Electrical Properties</b>				
Dielectric Strength	ASTM D149, kV/in	--	ISO-243, kV/mm	--
Arc Resistance	ASTM D495, Seconds	--	ASTMD495, Seconds	--
<b>Thermal &amp; Flame Retardant Properties</b>				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	--	ISO-75, °C	--
Flame Resistance				
@ 1.5mm		--		--
@ 3.0mm	UL94	--	UL94	--
@ 6.0mm		--		--

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