



**MBA Polymers, Inc.**

**Typical properties of 100% post-consumer MBA Polymers  
ABS without physical property modification**

<b>PROPERTIES</b>	<b>TEST METHOD</b>	<b>units</b>	<b>MBA ABS</b>
Density	ASTM D 792	g/cm <sup>3</sup>	1.06
Melt Flow Rate 230°C/3.8 kg	ASTM D 1238	g/10min	8.5
Izod Impact Strength (23 °C)	ASTM D 256	J/m (ft lb <sub>f</sub> /in)	214 (4)
Tensile Strength @ Yield	ASTM D 638	MPa (psi)	40 (5800)
Elongation at yield	ASTM D 638	%	2.2
Tensile modulus	ASTM D 638	MPa (psi)	2930 (4.24x10 <sup>5</sup> )
Elongation at break	ASTM D 638	%	13
Flexural strength at 5%	ASTM D790	MPa (psi)	66 (9600)
Flexural modulus	ASTM D790	GPa (psi)	2240 (3.25x10 <sup>5</sup> )
DTUL @264 psi (1.8 MPa)	ASTM D648	°C	78
DTUL @ 66 psi (0.45 MPa)	ASTM D648	°C	93
Flammability	UL94		HB
Color			Gray

<sup>4</sup>Typical property values not to be construed as specifications.