



**MBA Polymers, Inc.**

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

<b>PROPERTIES<sup>a</sup></b>	<b>TEST METHOD</b>	<b>units</b>	<b>MBA PP</b>
Density	ASTM D 792	g/cm <sup>3</sup>	0.92
Melt Flow Rate 230°C/2.16 kg	ASTM D 1238	g/10min	24
Tensile Strength @ Yield <sup>1</sup>	ASTM D 638	MPa (psi)	22 (3200)
Elongation at yield	ASTM D 638	%	5.2
Tensile modulus	ASTM D 638	MPa (psi)	2010 (2.91x10 <sup>5</sup> )
Tensile Strength @ Break	ASTM D 638	MPa (psi)	19 (2760)
Elongation at break	ASTM D 638	%	25
Flexural strength at 5%	ASTM D790	MPa (psi)	32 (4570)
Flexural modulus	ASTM D790	GPa (psi)	1100 (1.59x10 <sup>5</sup> )
Izod Impact Strength (23 °C)	ASTM D 256	J/m (ft lb <sub>f</sub> /in)	62 (1.2)
DTUL @264 psi (1.8 MPa)	ASTM D648	°C	59
DTUL @ 66 psi (0.45 MPa)	ASTM D648	°C	94
Color			Gray

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

<sup>1</sup> Tensile testing was performed at 0.2 inches per minute due to the low elongation at break for this material.