



MBA Polymers, Inc.

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

PROPERTIES^a	TEST METHOD	units	MBA HIPS
Density	ASTM D 792	g/cm ³	1.05
Melt Flow Rate 200°C/5.0 kg	ASTM D 1238	g/10min	6
Izod Impact Strength (23 °C)	ASTM D 256	J/m (ft lb _f /in)	108 (2)
Tensile Strength @ Yield	ASTM D 638	MPa (psi)	25 (3600)
Tensile Strength @ Break	ASTM D 638	MPa (psi)	24 (3400)
Flexural strength at 5%	ASTM D790	MPa (psi)	40 (5800)
Flexural modulus	ASTM D790	GPa (psi)	2000 (2.90x10 ⁵)
DTUL @264 psi (1.8 MPa)	ASTM D648	°C	77
DTUL @ 66 psi (0.45 MPa)	ASTM D648	°C	88
Color			Gray or Black

^aTypical property values not to be construed as specifications.