



**Alloy Exchange, Inc.  
300 Rockford Park Dr.  
Rockford, MI 49341**

Part/Description: ABS001 **ABS Reprocessed Pellets**

Material Submitted: **Black or Gray Pellets**

*NOTE:* Tests data reported are the mean results of 25 consecutive lots (1 million pounds) from production dated March 2014 to June 2014.

**Density = 1.05**

Test Method: ISO 1183, Method A (Water Displacement)  
No. of Specimens/Lot Tested: Three (3)

**Flexural Modulus = 2.67 (GPa)**

Test Method: ISO 178 (2010-12-15), Method A  
Ave. thickness: 3.96mm  
No. of Specimens/Lot Tested; Ten (10)

**Tensile Strength = 46.3 (MPa), 2.44% Elongation @ Yield**

Test Method: ISO 527-1(1993-06-15) & ISO 527-2(1993-06-15),  
Ave. thickness: 3.97mm,  
Test Speed: 50.0 mm/min  
No. of Specimens/Lot Tested; Five (5)

**Charpy Impact = 17.76 kJ/m<sup>2</sup>**

Test Method: ISO 179-1 (2008)/1eA  
Specimen Thickness: 4.05 mm  
No. of Specimens/Lot Tested: Ten (10)

**Deflection Temperature = 86.3°C**

Test Method: ISO 75-1(2013-04-15) & ISO 75-2(2013), flatwise  
Ave. thickness: 4.05mm  
No. of Specimens/Lot Tested: Two (2)

**Vicat Softening Temperature = 98.36 °C**

Test Method: ISO 306(2004-07-15) B50  
Ave. thickness: 4.0 mm  
No. of Specimens/Lot Tested: Two (2)

**Melt Flow Rate = 19.66 (g/10 min.)**

Test Method: ISO 1133(2005-06-01)  
Samples dried 2 hours at 80-85°C prior to evaluation.  
No. of Specimens/Lot Tested: Two (2)