



**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 December 2012 to November 2013.

**Specific Gravity = 1.06**

Test Method: ASTM D792-00, Method A (Water Displacement)  
No. of Specimens/Lot Tested: Three (3)

**Flexural Modulus = 2521(MPa) or 365,680 (psi)**

Test Method: ASTM D790-03, Method 1; Tangent  
Ave. thickness: 0.1275in; 3.24mm  
No. of Specimens/Lot Tested; Five (5)

**Tensile Strength = 48.8 (MPa) or 7086 (psi), 15.26% Elongation @ Break**

Test Method: ASTM D638-03, Type 1 specimens,  
Ave. thickness: 3.24mm,  
Test Speed: 1.97in/min; 50.0 mm/min  
No. of Specimens/Lot Tested; Five (5)

**Izod Impact = 3.95 (ft lbs/in) or 210 J/M**

Test Method: ASTM D256-06 (notched)  
Specimen Thickness: 0.1269 in.; 3.22 mm  
No. of Specimens/Lot Tested: Five (5)

**Deflection Temperature = 182°F or 83.5°C**

Test Method: ASTM D648-06, Method A; Load 264psi; 1.8mpa  
Ave. thickness: 0.4963in; 12.60mm  
No. of Specimens/Lot Tested: Two (2)

**Melt Flow Rate = 5.7 (g/10 min.)**

Test Method: ASTM D1238-04c: Method A; Condition 230/3.8; Temperature 230°C;  
Load 3800 g; Samples dried 8 hours at 90°C prior to evaluation.  
No. of Specimens/Lot Tested: Two (2)