



MATERIAL PROPERTY TEST REPORT

Test Standard: General Motors GMW16214, Type 10 (2015)
Material Type: Expanded Polypropylene Foam HB Series
Testing Completed & Certified by: MGA Labs. Greer, SC, USA (A2LA Cert. 850.02)
Product Type: HB Series; Report C14A9-0453iRev2

PROPERTY/TEST	PRINT** SPECIFICATION	SPECIMEN RESULTS	TEST METHOD
Density, g/l or kg/m ³ (150 g/l ±10%),	135-165	144	ISO 845
Tensile Strength KPa, Min	950	1042	ISO 1926
Tensile Elongation %, Min	8	13.4	ISO 1926
Compression, Stress 50% Strain, KPa, Min	1000	2033	ISO 844
Compression Set 22 h at 50% Comp, KPa, Max	45	34	ISO 1856
Flammability As Received	100	19	FMVSS-302 (per GMW3232)
Heat Aged, Max (mm/min)	100	18	
Resistance to Odor Rating	Rating >6	Rating = 9	GMW3205-B2
Emission Analysis VOC Value; micro-g/g, Target ≤	100	38	GMW15634
Fog Value; micro-g/, Target ≤	250	92	
Fogging Mg/Max	≤ 2	1.0	GMW3235-B-Y1-T1

This certifies that the above material meets the requirements for the Production Part Approval Process per the General Motors Engineering Specification GMW16214 for Type 10 for 2015

William A. Pate

Date 5/14/2015

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