

# TECHNO MUH BM5614

Acrylonitrile Butadiene Styrene

Techno Polymer America, Inc.

## Message:

A better replacement for modified PPE used in the air spoiler parts of automobiles  
An optimum balance of impact strength and heat deflection temperature for air spoilers  
Uniform wall thickness and parts weight for fewer parison sag problems  
Fewer black particles and pits problems for reduced defects in the blow-molding process and shorter sanding time  
Lower cylinder temperature than modified PPE for quicker recovery time after a machine goes down.  
Lower throughput cost for blow-molding producers  
The best material for air spoiler parts that require a higher aesthetic appearance and lower cost

General Information			
Features	Good Dimensional Stability		
	Good Impact Resistance		
	Medium Heat Resistance		
Uses	Automotive Under the Hood		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.05	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
220°C/10.0 kg	1.2	g/10 min	
240°C/10.0 kg	2.8	g/10 min	
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	48.0	MPa	ISO 527-2
Tensile Elongation (Break)	18	%	ASTM D638
Flexural Modulus	2200	MPa	ISO 178
Flexural Stress	71.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	7.0	kJ/m <sup>2</sup>	
23°C	19	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	93.0	°C	ISO 75-2/B
Additional Information	Nominal Value	Unit	
Blow Molding Barrel Temperature	220 to 225	°C	
Blow Molding Melt Temperature	235	°C	
Blow Molding Mold Temperature	71	°C	
Drying Temperature - Blow Molding	93 to 102	°C	

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#### Recommended distributors for this material

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