

# TECHNO AES W247

Acrylonitrile Ethylene Styrene

Techno Polymer America, Inc.

## Message:

Weather-resistant resin for exterior automobile parts without painting  
Satisfying the three requirements for exterior part resins: high impact strength under low temperature, high heat distortion temperature, and weather-resistance  
Specific gravity that is 10% lower than that of PC/ASA resin to enable lower part weight  
Designed for easy and consistent injection molding to enable greater design flexibility, faster cycle times, and reduced scrap, thus resulting in higher productivity  
The best material for exterior automobile parts that require a higher aesthetic appearance

General Information			
Features	Fast Molding Cycle		
	Good Flexibility		
	Good Weather Resistance		
	High Impact Resistance		
	Low Temperature Impact Resistance		
	Medium Heat Resistance		
	Pleasing Surface Appearance		
Uses	Automotive Exterior Parts		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/10.0 kg)	29	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	44.0	MPa	ASTM D638
Flexural Modulus	2140	MPa	ASTM D790
Flexural Strength	62.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C	88	J/m	
23°C	180	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	100	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	82.2 to 93.3	°C	
Drying Time	3.0 to 5.0	hr	
Rear Temperature	204 to 249	°C	

Middle Temperature	204 to 249	°C
Front Temperature	204 to 249	°C
Mold Temperature	48.9 to 71.1	°C

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Recommended distributors for this material

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