

# Allen ABS AXW/LXS

Acrylonitrile Butadiene Styrene  
SEKISUI Polymer Innovations, LLC

Message:

AXW/LXS is high impact ABS capped with high gloss ASA for UV protection.  
Common Applications:  
Vehicle Exteriors  
Marine Parts  
Radomes  
Features and Benefits:  
Custom color matching  
Excellent UV properties  
Edge trim easily used into future orders  
High gloss finish

General Information			
Features	Good UV Resistance		
	Good Weather Resistance		
	High Gloss		
	High Impact Resistance		
Uses	Automotive Applications		
	Automotive Exterior Parts		
	Automotive Exterior Trim		
	Marine Applications		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02 to 1.04	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.50 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.5	MPa	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	55.8	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	53	J/m	
23°C	320	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.6	°C	ASTM D648
Flammability	Nominal Value		Test Method
Flame Rating (1.52 mm)	HB		UL 94

Optical	Nominal Value	Test Method
Gloss (60°)	> 85	ASTM D523

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