

# Allen ABS 3800/499

Acrylonitrile Butadiene Styrene  
SEKISUI Polymer Innovations, LLC

Message:

3800/499 is a general purpose ABS that has medium impact strength and a good cost to performance ratio.

Common Applications:

Covers and Housings

Vehicle Interiors

Displays

Signs

Features and Benefits:

Custom color matching

Good forming properties

Edge trim easily used into future orders

Korad can be applied for UV protection

High gloss finish

General Information			
Features	General Purpose		
	High Gloss		
	Medium Impact Resistance		
Uses	Automotive Applications		
	Displays		
	General Purpose		
	Housings		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	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	1930	MPa	ASTM D790
Flexural Strength	55.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	110	J/m	
23°C	210	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.6	°C	ASTM D648
CLTE - Flow (-40 to 38°C)	1.0E-4	cm/cm/°C	ASTM E831
Flammability	Nominal Value		Test Method

Flame Rating (1.52 mm)	HB	UL 94
Optical	Nominal Value	Test Method
Gloss (60°)	80	ASTM D523

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

