

Allen ABS AX7

Acrylonitrile Butadiene Styrene
SEKISUI Polymer Innovations, LLC

Message:

AX7 is a general purpose ABS that has high impact strength and excellent forming properties.

Common Applications:

Medical Equipment Housings
Food Equipment Trays & Housings
Display
Signs

Features and Benefits:

Custom color matching
Good forming and fabricating properties
Edge trim easily used into future orders
Complies FDA 21 CFR 181.32
High gloss finish

General Information			
Features	General Purpose		
	High Gloss		
	High Impact Resistance		
Uses	Displays		
	Housings		
	Medical Device Housings		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 181.32		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.02 to 1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.2	MPa	ASTM D638
Flexural Modulus	2550	MPa	ASTM D790
Flexural Strength	77.9	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	140	J/m	
23°C	430	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	90.6	°C	ASTM D648
Vicat Softening Temperature	108	°C	ASTM D1525

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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