

Allen ABS 552

Acrylonitrile Butadiene Styrene
SEKISUI Polymer Innovations, LLC

Message:

552 is a general purpose ABS with medium impact and a medium gloss finish.

Common Applications:

Covers and Housing
Vehicle Interior Parts
FDA Applications
Signs
Displays

Features and Benefits:

Custom color matching
Good forming properties
edge trim easily used into future orders
Korad can be applied for UV protection
FDA 21 CFR 181.32 compliant
Medium gloss finish

General Information			
Features	General Purpose		
	Medium Gloss		
	Medium Impact Resistance		
Uses	Automotive Applications		
	Displays		
	General Purpose		
	Housings		
	Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 181.32		
Processing Method	Sheet Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.05	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	35.9	MPa	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
Flexural Strength	59.3	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-18°C	130	J/m	
23°C	260	J/m	
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load		ASTM D648
0.45 MPa, Unannealed	93.3	°C
1.8 MPa, Unannealed	87.8	°C
Flammability	Nominal Value	Test Method
Flame Rating (1.52 mm)	HB	UL 94
Optical	Nominal Value	Test Method
Gloss (60°)	50 to 70	ASTM D523

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