Allen 2000

Polycarbonate + ABS

SEKISUI Polymer Innovations, LLC

Message:

2000 is a general purpose PC/ABS with high impact strength and high heat deflection.
Common Applications:
Vehicle Interior Trim
Covers and Housings
Instrument Panels
Features and Benefits:
Custom color matching
Good forming properties
Edge trim easily used into future orders
High Heat Deflection Temerature
High Gloss Finish
Meets many automotive specifications

General Information			
Features	Highlight		
	Impact resistance, high		
	Heat resistance, high		
	General		
Uses	Car interior equipment		
	Car dashboard		
	General		
	Shell		
Processing Method	Sheet extrusion molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm³	ASTM D792
Molding Shrinkage - Flow	0.50 - 0.70	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	57.0	MPa	ASTM D638
Flexural Modulus	2460	MPa	ASTM D790
Flexural Strength	89.6	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-29°C	590	J/m	ASTM D256
23°C	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	129	°C	ASTM D648
1.8 MPa, not annealed	108	°C	ASTM D648

Vicat Softening Temperature	141	°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
Additional Information			

Forming Temperature Range: 320-400 °FMold Temperature Range: 150-200 °F

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