

Technical Data Sheet

AQ9200

PC/ABS

PRODUCT DESCRIPTION:

AQ9200 is a high oxygen index and high heat resistance PC/ABS resin. AQ9200 is mainly used in passenger car and school bus interior decoration.

FEATURES:

- high oxygen index
- high heat resistance

APPLICATION:

- auto interior decoration

Properties	Standard	Condition	Unit	Typical Value
Physical				
Density	ISO 1183	23°C	g/cm ³	1.16
Mold Shrinkage	ISO 294	23°C, 48hr	%	0.5-0.7
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	53
Flexural Strength	ISO 178	2mm/min	MPa	72
Flexural Modulus	ISO 178	2mm/min	MPa	2200
Notched Charpy Impact	ISO 179	4J, 23°C	kJ/m ²	48
Unnotched Charpy Impact	ISO 179	4J, 23°C	kJ/m ²	NB
Thermal				
Heat Deflection Temperature	ISO 75	120°C/hr, 1.80MPa	°C	115
Vicat Softening Temperature	ISO 306	50°C/hr, 5kg	°C	130
Other Properties				
Oxygen index	GB/T 2406.2	/	%	25
Flammability	ISO 3795	355x100x3 mm	mm/min	<40

Processing Parameters		Value	Unit
Pre-treatment			
Drying Temperature		100-110	°C
Drying Time		4-6	hour
Maximum Moisture Content		0.02	%
General Guidelines			
Barrel Temperature	Rear	220-230	°C
	Middle	240-250	°C
	Front	250-270	°C
Nozzle		240-260	°C
Melt Temperature		250-270	°C
Mold Temperature		60-80	°C

Note :

1. Values are measured at 23°C and in RH of 50% on injection molded specimens.
2. Typical values for uncolored products, not specifications, and may vary slightly with different colors.
3. Flexural strength is tested with fixed deflection.
4. HDT: specimens are unannealed.
5. The general guidelines are only for reference. Exact settings have to follow the product and machine conditions.

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