

Technical Data Sheet

K7040

ABS

PRODUCT DESCRIPTION:

ABSk7040 is heat resistance ABS with high rigidity , toughness and good UV stability.

FEATURES:

- High impact
- Medium heat

APPLICATION:

- IP Cluster trim and bezel
- Rear-view mirror housing

Properties	Standard	Condition	Unit	Typical Value
Physical				
Density	ISO 1183	23°C	g/cm ³	1.06
Mold Shrinkage	ISO 294	23°C, 48hr	%	0.4-0.7
Melt Flow Rate	ISO 1133	220°C, 10kg	g/10 minutes	12
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	45
Elongation at Break	ISO 527	50mm/min	%	25
Flexural Strength	ISO 178	2mm/min	MPa	70
Flexural Modulus	ISO 178	2mm/min	MPa	2300
Notched Izod Impact	ISO 180	5.5J, 23°C	kJ/m ²	15
Rockwell Hardness	ISO 2039-2	23°C	R-scale	106
Thermal				
Heat Deflection Temperature	ISO 75	120°C/hr, 1.80MPa	°C	88
Vicat Softening Temperature	ISO 306	50°C/hr, 5kg	°C	103
Other Properties				
Flammability	ISO 3795	360*100*3 mm	mm/min	≤80

Processing Parameters		Value	Unit
Pre-treatment			
Drying Temperature		80 ~ 90	°C
Drying Time		3 ~ 4	hour
Maximum Moisture Content		≤0.05	%
General Guidelines			
Barrel Temperature	Rear	190 ~ 210	°C
	Middle	210 ~ 220	°C
	Front	220 ~ 235	°C
Nozzle		230 ~ 245	°C
Melt Temperature		230 ~ 250	°C
Mold Temperature		50 ~ 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.

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