

# ABS-65

Classification: General grade.

Characteristic: General plating , poor solvent paint.

Application: Electronic and Electrical parts, Automobile parts, Refrigerator knobs, Motorcycle parts, house appliances, Cosmetic case, etc

Property	Test method (ASTM)	Test condition	Unit	Typical value	ABS-65 Specification
Izod impact	D-256	6.4 mm , notched	Kj/m <sup>2</sup>	30	Min25
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	25	20-30
Rock well hardness	D-785	.....	R-scale	110	95-115
HDT	D-648	1.82 m pa	°c	85	Min82
Vicat softening Temp	D-1525	5kg/50°C	°c	95	Min 93
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm <sup>2</sup>	450	Min 410
Tensile elongation	D-638	23°C , 50 mm/min	%	27	Min 25
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	640	Min 550
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	21000	Min19000
Specific Gravity	D-792	23°C	..	1.04	1.04
Molding Shrinkage	D-955	...	%	0.4-0.7	0.4-0.7
Flammability	U194	1/8inch(3.2mm)	...	HB	HB

## TYPICAL ABS PROCESSING CONDITIONS

**DRYING: it is recommended that GBPC ABS Resins be dried at (80-85°C) for 3 hours.**

The following molding conditions are recommended starting point for GBPC ABS Resin. A moisture level of ≤0.1% should be reached before injection molding the resin.

Some modifications may be required depending on the specific molding equipment and part configuration.

### INJECTION MOLDING

Rear Temp(°c)	Center Temp (°c)	Center Temp (°c)	Front Temp (°c)	Nozzle Temp (°c)	Melt Temp (°c)
190-200	200-210	210-220	210-220	220-230	230
Mold Temp (°c)	Filling Speed				

60-80	Slow-Med			
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