

## ABS 90913 Technical Datasheet

**Product Description:** ABS 90913 is virgin black. It is used for general purpose. It is classified as Medium

Impact and High rigidity.

### Typical Data:

Property	Test method (ASTM)	Test condition	Unit	Typical value	ABS-50 Specification
Izod Impact	D- 256	6.4 mm , notched	Kj/m <sup>2</sup>	23	Min19
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	35	29-39
Rock well hardness	D-785	.....	R-scale	109	95-115
HDT	D-648	1.82 m pa	°C	85	Min82
Vicat softening Temp	D-1525		°C	95	Min 93
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm <sup>2</sup>	455	Min 420
Tensile elongation	D-638	23°C , 50 mm/min	%	20	Min 16
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm <sup>2</sup>	650	Min 620
Flexural Modulus	D-790		Kg/cm <sup>2</sup>	22000	Min 17000
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

### Applications:

Electronic and Electrical parts, vacuum cleaner, washing machine cover and Refrigerator door cap & etc.



### 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	215-225	230
Mold Temp (°c)	Filling Speed				
60-80	Slow-Med				



Unit 302, Sheydayee BLD, Sazman AB, Tehranpars , Tehran, Iran.



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