

## ABS SD-0150

### GENERAL PURPOSE ABS

#### Product Description

General Purpose ABS, SD – 0150 grade, is a rigid thermoplastic with good processing characteristics. It is a high flow injection molding grade with considerable impact strength and medium heat deflection.

#### Applications

This grade is intended for a wide range of applications including auto parts, home appliances, electrical parts/fittings, telecommunication and electronic devices.

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD	TEST CONDITION
<b>MFI</b>	Gr/10 min	1.7	ASTM D 1238	(200°C/5kg)
<b>IZOD IMPACT STRENGTH</b>	Kj / m <sup>2</sup>	25	ISO 180	1/8 inch
<b>TENSILE STRENGTH @ YIELD</b>	Kgf /cm <sup>2</sup>	440	ASTM D 638	5mm/min
<b>ELONGATION @ BREAK</b>	%	40	ASTM D 638	5mm/min
<b>FLEXURAL STRENGTH @ YIELD</b>	Kgf /cm <sup>2</sup>	640	ASTM D 790	2.8mm/min
<b>FLEXURAL MODULUS</b>	Kgf /cm <sup>2</sup>	20500	ASTM D 790	2.8mm/min
<b>VICAT SOFTENING TEMPERATURE</b>	°C	99	ASTM D 1525	5kg
<b>R°CKWELL HARDNESS</b>	R-Scale	104	ASTM D 785	
<b>FLAMMABILITY</b>	Recognized	HB	UL 94	1.5mm

Density of this grade is approximately 1.04 gr/cm. Shrinkage of all ABS grades in old is approximately 0.3 % ~ 0.6 % (ASTM D 955).

All tests are carried out at 23 °C unless otherwise stated.

The above data are typical laboratory average. They are intended to serve as guide only.

#### Processing Condition

SD-0150 ABS granules absorbs moisture from atmosphere, with a rate depending on temperature and humidity. It is recommended that the material be dried in a dehumidifying dryer at 80 °C to 85 °C for 2-4 hours, prior to use. Avoid excessive melt temperatures and long residence time, as they may cause thermal degradation. Processing temperatures are recommended to be set at 190 °C - 230 °C for cylinder, and 40 °C - 80 °C for mold. SD-0150 ABS can be processed under different conditions based on machinery available and articles molded.

Producer: Tabriz petrochemical Co.

Licenser: SAMUNG

Packing: 25 Kg plastic bag

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