



## NAME: 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.

### Processing Methods:

SD-0150 ABS granules absorb 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.

### Typical data: (Table)

Property	Value	Units	Test Method
MFI	1,7	Gr/10 min	ASTM D 1238
Flexural Modulus	20500	Kgf /cm <sup>2</sup>	ASTM D 790
Tensile Strength at Yield	440	Kgf /cm <sup>2</sup>	ASTM D 638
Elongation	40	%	ASTM D 638
Izod Impact	25	Kj / m <sup>2</sup>	ISO 180
Rockwell Hardness	104	R-Scale	ASTM D 785
Vicat	99	°C	ASTM D 1525
Flammability	HB	Recognized	UL 94