

ABS SD-0150

(Acrylonitrile – Butadiene – Styrene)

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.

Typical Data

PROPERTY	TEST METHOD	TEST CONDITION	UNIT	TYPICAL VALUE
MFI	ASTM D 1238	(200°C/5kg)	Gr/10 min	1.7
Izod Impact Strength (notched)	ISO 180	1/8 inch	Kj/m ²	25
Tensile Strength @ Yield	ASTM D 638	5mm/min	Kgf /cm ²	440
Elongation @ Break	ASTM D 638	5mm/min	%	40
Flexural Strength @ Yield	ASTM D 790	2.8mm/min	Kgf /cm ²	640
Flexural Modulus	ASTM D 790	2.8mm/min	Kgf /cm ²	20500
Vicat Softening Temperature (unannealed)	ASTM D 1525	5kg	°C	99
Rockwell Hardness	ASTM D 785	-	R-Scale	104
Flammability	UL 94	1.5mm Specimen	Recognized	HB

Density of this grade is approximately 1.04 gr/cm³.

Shrinkage of all ABS grades in mold 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.