

# Technical Datasheet

## SD-0150

كوثر شيمي  
Kosar Shimi  
+9821 - 43462000  
info@kosar.co  
www.kosar.co

### 1) Product Description:

General Purpose ABS (Acrylonitrile-Butadiene-Styrene), 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.

### 2) Applications:

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

### 3) Typical data:

PROPERTY	TEST METHOD	UNIT	TYPICAL VALUE*
MFI	ASTM D 1238	g/10min	1.7
Izod Impact Strength (notched)	ISO 180	KJ/m <sup>2</sup>	25
Tensile Strength at Yield	ASTM D 638	Kgf/cm <sup>2</sup>	440
Elongation at Break	ASTM D 638	%	40
Flexural Strength at yield	ASTM D 790	Kgf/cm <sup>2</sup>	640
Flexural Modulus	ASTM D 790	Kgf/cm <sup>2</sup>	20500
Vicat Softening Temperature (unannealed)	ASTM D 1525	°C	99
Rockwell Hardness	ASTM D 785	R-Scale	104
Flammability	UL 94	Recognized	HB

\* Typical values not to be construed as specifications.