



SHOBEIR SHIMI
WWW.SHOBEIRSHIMI.COM
info@shobeirshimi.com

TABRIZ PETROCHEMICAL COMPANY

ACRYLONITRILE BUTADIENE STYRENE ABS SD0150

SD0150 is one of the styrenic ter polymers (ABS) grades with improved toughness versus HIPS grade. SD0150 exhibits low shrinkage and good dimensional stability. SD0150 is widely used in general injection molding applications

Producer	Characteristic Properties	Applications
TABRIZ	High impact resistance - High adhesion to metals High formability - Light weight - Good chemical resistance Good processability	Furniture, Automotive Parts, General Injection Molding, Appliances Casing, Office Supplies.

Typical Properties

Resin Properties	Unit	Typical	Test Method
MELT FLOW INDEX (200°C/5KG)	g/10min	1.8	ASTM D-1236
Density	kJ/m ²	22	ASTM D-256
Izod Impact Strength (Notched)	°C	98	ASTM D-1525
Bulk Density	kg/m ³	600	-
Tensile Strength at Yield	kgf/cm ²	450	ASTM D-638
Tensile Strength at Break	kgf/cm ²	400	ASTM D-638
Elongation at Yield	%	4	ASTM D-638
Elongation at Break	kgf/cm ²	40	ASTM D-638
Flexural Strength at Yield	kgf/cm ²	640	ASTM D-790
Flexural Modulus	kgf/cm ²	20500	ASTM D-790
HDT(0.45 MPA & 120°C/HR)	°C	81	ASTM D-648
Rockwell Hardness (AT 23°C)	R.SCALE	105	ASTM D-785