



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

TABRIZ PETROCHEMICAL COMPANY

ACRYLONITRILE BUTADIENE STYRENE ABS SD0150

ABS SD0150 is a high-impact resin prized for its excellent mechanical strength and thermal stability, making it ideal for injection-molded automotive parts and home appliances. Produced by major manufacturers, it is available in both standard and RoHS-compliant grades to suit various industrial needs.

Producer	Characteristic Properties	Applications
TABRIZ	low shrinkage and good dimensional stability	Furniture, Automotive Parts, General Injection Molding, Appliances Casing, Office Supplies.

Typical Properties

Resin Properties	Unit	Typical	Test Method
MELT FLOW INDEX (200°C/5KG)	gr/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	ASTM D-1895
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	%	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)	-	105	ASTM D-785
FLAMMABILITY	-	HB	UL94
SHRINKAGE	%	0.50	ASTM D-955