



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

JAM PETROCHEMICAL COMPANY

ACRYLONITRILE BUTADIENE STYRENE ABS E332

ABS E332 is a type of Acrylonitrile Butadiene Styrene (ABS) polymer. It's a medium-temperature resistant material known for its good fluidity, impact resistance, and excellent thermal stability during processing.

Producer	Characteristic Properties	Applications
JAM	Medium heat Resistance, good flow, good impact strength	Automotive Interior (Trim parts) Tiles

Typical Properties

Resin Properties	Unit	Typical	Test Method
Density	g/cm ³	1.04	ISO 1183
Water Absorption	%	0.3	ASTM D 570
Surface resistivity	ohm	10 ⁺¹⁴	IEC 60093
Melt Flow Rate (MFR)	g/10min	10	ISO 1133
Tensile Strength	MPa	40	ASTM D-638
Strain at break	%	75	ASTM D-638
Flexural Strength	MPa	62	ASTM D 790
Flexural Modulus	MPa	2200	ASTM D 790
Izod Impact Strength Notched	J/m	190	ISO 180/4A
Charpy Impact Strength, Notched	kJ/m ²	12	DIN 53453
Rockwell Hardness	kJ/m ²	R111	ISO 2039/2
Vicat Softening Temperature	°C	109	ISO 306/A120
Deflection temp. under load (annealed)	°C	103	ASTM D 648
Coefficient of linear thermal expansion	10 ⁻⁵ /°C	9	ASTM D 696
Thermal Conductivity	W/(Km)	0.17	ASTM C 177
Moulding Shrinkage	%	0.4-0.6	ISO 294.4