



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

JAM PETROCHEMICAL COMPANY

ACRYLONITRILE BUTADIENE STYRENE ABS F232

ABS F232 is a type of Acrylonitrile Butadiene Styrene (ABS) polymer. It's a medium-temperature resistant material known for its General purpose, High flow injection moulding Grade and good impact.

Producer	Characteristic Properties	Applications
JAM	General purpose High flow injection moulding Grade good impact	Small and large Household appliances - Vacuum cleaners- Toys Telephones and consumer

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	14	ISO 1133
Tensile Strength	MPa	45	ASTM D-638
Strain at break	%	20	ASTM D-638
Flexural Strength	MPa	69	ASTM D 790
Flexural Modulus	MPa	2350	ASTM D 790
Izod Impact Strength Notched	J/m	170	ISO 180/4A
Charpy Impact Strength, Notched	kJ/m ²	10	DIN 53453
Rockwell Hardness	kJ/m ²	R109	ISO 2039/2
Vicat Softening Temperature	°C	107	ISO 306/A120
Deflection temp. under load (annealed)	°C	102	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