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JAM PETROCHEMICAL COMPANY

ACRYLONITRILE BUTADIENE STYRENE ABS F332

ABS F332 is a general-purpose injection molding grade of acrylonitrile butadiene styrene (ABS). It features excellent thermal stability during processing and a good balance of flow and impact characteristics.

Producer	Characteristic Properties	Applications
JAM	General purpose Self-coloring	Households - Small Appliances and white goods Vacuum Cleaners Electrical components

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	42	ASTM D-638
Strain at break	%	60	ASTM D-638
Flexural Strength	MPa	60	ASTM D 790
Flexural Modulus	MPa	2250	ASTM D 790
Izod Impact Strength Notched	J/m	190	ISO 180/4A
Charpy Impact Strength, Notched	kJ/m ²	13	DIN 53453
Rockwell Hardness	kJ/m ²	R110	ISO 2039/2
Vicat Softening Temperature	°C	107	ISO 306/A120
Deflection temp. under load (annealed)	°C	101	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