

BP Amoco Acctuf® 3432 Impact Copolymer Polypropylene

Categories: [Polymer](#); [Thermoplastic](#); [Polypropylene \(PP\)](#); [Polypropylene, Impact Modified](#); [Molded/Extruded](#)

Material Notes: Suggested fabrication methods: Injection molding

Features: Nucleated, Antistatic

Complies with FDA specification, Title 21, CFR 177.1520.

Typical property data below from injection molded samples.

Key Words: Nucleated, Antistatic

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.886 - 0.926 g/cc	0.0320 - 0.0335 lb/in ³	ASTM D1505
Water Absorption	<= 0.010 %	<= 0.010 %	24 hours; ASTM D570
Linear Mold Shrinkage	0.010 - 0.025 cm/cm	0.010 - 0.025 in/in	ASTM D955
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	88	88	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	>= 200 %	>= 200 %	ASTM D638
Flexural Modulus	1.45 GPa	210 ksi	ASTM D790A
Izod Impact, Notched	1.35 J/cm @Diameter 3.17 mm	2.53 ft-lb/in @Diameter 0.125 in	bar; ASTM D256
	0.300 J/cm @Diameter 3.17 mm, Temperature -20.0 °C	0.562 ft-lb/in @Diameter 0.125 in, Temperature -4.00 °F	bar; ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	107 °C	225 °F	ASTM D648