

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/in³	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

Materials flagged as discontinued (D) are no longer part of the manufacturer's standard product line according to our latest information. These materials may be available by special order, in distribution inventory, or reinstated as an active product. Data sheets from materials that are no longer available remain in MatWeb to assist users in finding replacement materials.

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