

Buckeye Polymers BP ABS 6432 WS ABS

Category : Polymer , Thermoplastic , ABS Polymer , Acrylonitrile Butadiene Styrene (ABS), Molded

Material Notes:

ABS is a copolymer of acrylonitrile and styrene, modified with butadiene rubber. ABS is primarily used for their combination of toughness, rigidity, chemical resistance, ease of processing and outstanding surface appearance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Buckeye-Polymers-BP-ABS-6432-WS-ABS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	
Melt Flow	6.0 g/10 min	6.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	37.2 MPa	5400 psi	ASTM D638
Elongation at Break	20 %	20 %	ASTM D638
Flexural Modulus	2.20 GPa	319 ksi	ASTM D790
Izod Impact, Notched	2.10 J/cm	3.93 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	82.0 °C	180 °F	ASTM D648

Processing Properties	Metric	English	Comments
Drying Temperature	80.0 °C	176 °F	in air circulating oven recommended
Dry Time	3 - 4 hour	3 - 4 hour	

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