

Multibase Multi-ABS 3845 Medium Impact ABS

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

Material Notes:

Data provided by Multibase.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Multibase-Multi-ABS-3845-Medium-Impact-ABS.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792-91
Linear Mold Shrinkage	0.0050 cm/cm	0.0050 in/in	ASTM D955-89
Melt Flow	5.0 g/10 min	5.0 g/10 min	(Condition I) ASTM D-1238-94a

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	106	106	ASTM D785-95
Tensile Strength, Ultimate	42.7 MPa	6190 psi	ASTM D638-95
Elongation at Break	35 %	35 %	ASTM D638-95
Flexural Modulus	2.62 GPa	380 ksi	RT; ASTM D-790-95

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	180 °C	356 °F	injection molded unannealed; ASTM D-648-95
	220 °C	428 °F	injection molded annealed; ASTM D-648-95
	220 °C	428 °F	compression molded annealed; ASTM D-648-95
Vicat Softening Point	99.0 °C	210 °F	ASTM D1525-95
Flammability, UL94	HB	HB	
	@Thickness 1.59 mm	@Thickness 0.0625 in	
	HB	HB	
	@Thickness 3.17 mm	@Thickness 0.125 in	

Optical Properties	Metric	English	Comments
Gloss	85 - 92 %	85 - 92 %	ASTM D2457-90

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