

ResMart Ultra ABS 7 EX - High impact extrusion grade ABS

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.04	ASTM D 792
Melt Flow Rate @ 220°C - 10kg	5.5 g/10 min	ASTM D 1238
Mold Shrinkage	0.5 - 0.8 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	6000 psi	ASTM D 638
Tensile Elongation	25 %	ASTM D 638
Flexural Strength	8400 psi	ASTM D 790
Flexural Modulus	284000 psi	ASTM D 790
Notched Izod Impact (0.125in)	7.7 ft-lbs/in	ASTM D 256
Notched Izod Impact (0.25in)	5.5 ft-lbs/in	ASTM D 256
Rockwell Hardness (R-Scale)	103	ASTM D 785

Thermal Property	Value	Test Method
HDT (264 psi) Unannealed	185 °F	ASTM D 648
Vicat Softening Point	203 °F	ASTM D 1525
Flame Rating	HB @ 1.6mm	UL 94

Regulatory Compliance	Value
FDA Compliance	Yes
RoHS Compliance	Yes

Processing Guidelines	Value
Drying Temperature	180 °F
Drying Time	4 Hours
Melt Temperature	400 - 460 °F

The information provided on this datasheet should only be used as a guideline. Actual lot to lot values will vary.

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