

ResMart Ultra ABS 5.5 - High flow, medium impact ABS for injection molding applications

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.04	ASTM D 792
Melt Flow Rate @ 220°C - 10kg	35 g/10 min	ASTM D 1238
Mold Shrinkage	0.5 - 0.8 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	6500 psi	ASTM D 638
Tensile Elongation	20 %	ASTM D 638
Flexural Strength	9100 psi	ASTM D 790
Flexural Modulus	312000 psi	ASTM D 790
Notched Izod Impact (0.125in)	5.5 ft-lbs/in	ASTM D 256
Notched Izod Impact (0.25in)	4.4 ft-lbs/in	ASTM D 256
Rockwell Hardness (R-Scale)	108	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	2 - 4 Hours
Melt Temperature	400 - 460 °F
Mold Temperature	145 - 185 °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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