

ResMart Ultra PC MF 10 UV - Hi performance, medium flow polycarbonate with improved UV stability

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.20	ASTM D 792
Melt Flow Rate @ 300°C - 1.2kg	12.0 g/10 min	ASTM D1238
Mold Shrinkage	0.5 - 0.7 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	9100 psi	ASTM D 638
Tensile Modulus	330000 psi	ASTM D 638
Tensile Strain at Break	110 %	ASTM D638
Flexural Strength	13000 psi	ASTM D 790
Flexural Modulus	330000 psi	ASTM D 790
Notched Izod Impact (0.125in)	16.0 ft-lbs/in	ASTM D 256
Notched Izod Impact (0.25in)	2.8 ft-lbs/in	ASTM D 256
Rockwell Hardness (R-Scale)	120	ASTM D 785

Thermal Property	Value	Test Method
HDT (1/4", 66 psi)	278 °F	ASTM D 648
HDT (1/4", 264 psi)	260 °F	ASTM D 648
Vicat Softening	295 °F	ISO 306
Flame Rating	V-2 @ 1.5mm	UL 94

Regulatory Compliance	Value
RoHS Compliance	Yes
FDA Compliance	Yes

Processing Guidelines	Value
Drying Time	3 - 4 Hours
Drying Temperature	212 - 230 °F
Melt Temperature	540 - 590 °F
Mold Temperature	180 - 240 °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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