

**ResMart Ultra PC HF UV BT** - High performance, high flow polycarbonate with improved UV stability and a blue tint for enhanced aesthetics

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.20	ASTM D 792
Melt Flow Rate @ 300°C - 1.2kg	20 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)	14.0 ft-lbs/in	ASTM D 256
Notched Izod Impact (0.25in)	1.8 ft-lbs/in	ASTM D 256
Rockwell Hardness (R-Scale)	120	ASTM D 785

Thermal Property	Value	Test Method
HDT (1/4", 66 psi)	277 °F	ASTM D 648
HDT (1/4", 264 psi)	257 °F	ASTM D 648
Vicat Softening	293 °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.

Disclaimer: No information supplied by ResMart LLC constitutes a warranty regarding product performance or use. Any information regarding performance or use is only offered as suggestion for investigation for use, based upon ResMart LLC or other customer experience. ResMart LLC makes no warranties, expressed or implied, concerning the suitability or fitness of any of its products for any particular purpose. It is the responsibility of the customer to determine that the product is safe, lawful and technically suitable for the intended use. The disclosure of information herein is not a license to operate under, or a recommendation to infringe any patents.