

ResMart Ultra POM 9 BLK - ResMart Ultra POM 9 BLK

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.41	ASTM D 792
Melt Flow Rate @ 190°C - 2.16kg	9.0 g/10 min	ASTM D1238
Mold Shrinkage	2.0 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	9300 psi	ASTM D 638
Tensile Modulus	400000 psi	ASTM D 638
Flexural Strength	12600 psi	ASTM D 790
Flexural Modulus	370000 psi	ASTM D 790
Notched Izod Impact (0.125in)	1.0 ft-lbs/in	ASTM D 256
Notched Charpy	2.9 ft-lb/in ²	ISO 179/1eA

Thermal Property	Value	Test Method
HDT (66 psi) Unannealed	316 °F	ASTM D 648
HDT (264 psi) Unannealed	214 °F	ASTM D 648
Vicat Softening Temperature	161 °C	ISO 306
Flame Rating	HB	UL 94

Regulatory Compliance	Value
RoHS Compliance	Yes

Processing Guidelines	Value
Drying Temperature	210 - 230 °F
Drying Time	3 - 4 Hours
Melt Temperature	375 - 400 °F
Mold Temperature	140 - 175 °F
Injection Pressure	7500 - 15000 psi

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

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