

**ResMart Ultra POM 27** - High flow Ultra performance polyacetal copolymer for demanding thinwall applications. Great for multicavity applications.

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.41	ASTM D 792
Melt Flow Rate	27 g/10 min	ASTM D1238
Mold Shrinkage	2.0 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	8700 psi	ASTM D 638
Tensile Modulus	400000 psi	ASTM D 638
Flexural Strength	13000 psi	ASTM D 790
Flexural Modulus	375000 psi	ASTM D 790
Notched Izod Impact (0.125in)	1.0 ft-lbs/in	ASTM D 256
Notched Charpy	2.6 ft-lb/in <sup>2</sup>	ISO 179/1eA

Thermal Property	Value	Test Method
HDT (66 psi) Unannealed	313 °F	ASTM D 648
HDT (264 psi) Unannealed	217 °F	ASTM D 648
Vicat Softening Temperature	161 °C	ISO 306
Flame Rating	HB	UL 94

Regulatory Compliance	Value
FDA Compliance	Yes
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	10000 - 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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