

**ResMart ABS VH-0800 BLK - Flame retardant ABS for injection molding applications**

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	1.17	ASTM D 792
Melt Flow Rate @ 200°C - 5Kg	6.0 g/10 min	ASTM D1238
Mold Shrinkage	0.31 - 0.37 %	ASTM D 955

Mechanical Property	Value	Test Method
Tensile Strength	6000 psi	ASTM D 638
Tensile Strain at Break	24 %	ASTM D638
Tensile Modulus	200000 psi	ASTM D 638
Flexural Strength	8800 psi	ASTM D 790
Flexural Modulus	310000 psi	ASTM D 790
Notched Izod Impact Strength	4.2 ft-lb/in.	ASTM D256
Rockwell Hardness (R-Scale)	107	ASTM D 785

Thermal Property	Value	Test Method
HDT (264 psi) Unannealed	158 °F	ASTM D 648
HDT (66 psi) Unannealed	196 °F	ASTM D 648
Vicat Softening Temperature	86 °C	ISO 306
Flame Rating	V-0 @ 1.5mm	UL 94

Regulatory Compliance	Value
RoHS Compliance	Yes

Processing Guidelines	Value
Drying Temperature	180 °F
Drying Time	2 - 4 Hours
Suggested Max Moisture	0.05 %
Melt Temperature	380 - 430 °F
Mold Temperature	100 - 180 °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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