

ResMart Ultra HDPE 953-5 - Ethylene-hexene copolymer HDPE

Technical Data Sheet Properties

Physical Property	Value	Test Method
Specific Gravity	0.953	ASTM D 792
Melt Flow Rate @ 190°C - 2.16kg	4.5 g/10 min	ASTM D 1238

Mechanical Property	Value	Test Method
Tensile Strength	4,100 psi	ASTM D 638
Elongation @ Break (2in/min)	1000 %	ASTM D 638
Flexural Modulus	195,000 psi	ASTM D 790
ESCR, Condition B (100% Igepal)	20 h	ASTM D 1693
Hardness, Shore D	63	ASTM D2240

Thermal Property	Value	Test Method
HDT (66 psi) Unannealed	150 °F	ASTM D 648
HDT (264 psi) Annealed	104 °F	ASTM D 648
Brittleness Temperature	-103 °F	ASTM D 746
Vicat Softening Point	258 °F	ASTM D 1525

Regulatory Compliance	Value
FDA Compliance	Yes
RoHS Compliance	Yes

Processing Guidelines	Value
Drying Temperature	175 °F
Drying Time	2 - 4 Hours
Melt Temperature	380 - 440 °F
Mold Temperature	70 - 150 °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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