

Grade: Kostrate® EDGE SE
Injection Molding Grade

Typical Material Properties

Physical	Nominal Values (English)	Test
Specific Gravity	1.04	ASTM D792
Melt Flow	6.0 g/10 min	ASTM D1238
Food Contact Acceptable	21 CFR 177.1640 21 CFR 174.5	FDA FDA
Mechanical		
Tensile Strength @ Break	6,500 psi	ASTM D638
Flexural Modulus	380,000 psi	ASTM D790
Flexural Strength @ Yield	12,000 psi	ASTM D790
Elongation	30%	
Hardness	78	Shore D
Impact		
Dart Drop	18 in-lbf	ASTM D3029
Impact on 0.125 x2.5" disk		
Thermal		
HDT @ 66 psi-unannealed (.125 in.)	200 °F	ASTM D648
Mold Shrinkage		
Linear Flow	.003 - .006 in/in	ASTM D955
Optical		
Haze	1.0 %	ASTM D1003
Light Trans	91 %	ASTM D1003

Additional: Dishwasher safe, FDA compliant. Please note to allow your part to come to room temperature as parts become more water clear and harder surface after a dwell time of 72 hours.

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Recommended Processing Guidelines

INJECTION MOLDING:

	Typical Values (English)
Drying Temperature	No Drying needed
Drying Time	NA
Suggested Max Moisture	NA
Rear Temperature	340 °F
Middle Temperature	360 °F
Front Temperature	360 to 400 °F
Nozzle Temperature	380 to 390 °F
Processing (Melt) Temp	360 to 420 °F
Mold Temperature	60-90 °F
Back Pressure	50 to 200 psi
Screw Speed	102 rpm

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