

Grade: Kostrate® EDGE 9
Injection Molding Grade

Typical Material Properties

Physical	Nominal Values (English)	Test
Specific Gravity	1.02	ASTM D792
Melt Flow	6.0 g/10 min	ASTM D1238
Mechanical		
Tensile Strength @ Yield	4,500 psi	ASTM D638
Tensile Modulus	380,000 psi	ASTM D638
Flexural Strength @ Yield	9,500 psi	ASTM D638
Flexural Modulus	330,000 psi	ASTM D638
Elongation	5%	ASTM D638
Impact		
Izod Impact	1.5 (ft-lbf)	ASTM D265
Impact on 1/8 bar @73 F		
Thermal		
HDT @ 66 psi-unannealed (.125 in.)	180 °F	ASTM D648

PROCESSING: Injection Molding

Drying	N/A (1-3 hours at 150-190 F in high humidity or damp places)
Front	370-450 F
Middle	370-425 F
Rear	380-425 F
Nozzle	380-420 F
Mold	80-120 F

Additional: FDA compliant Title 21 CFR177.1635, dishwasher safe, prints & sonic welds

The information provided above is based upon typical values. Typical values are intended only as guides. Each customer is responsible for determining whether products and information in this document are appropriate for the customer's use. NO GUARANTEES OR WARRANTIES ARE EXPRESSED OR IMPLIED.