



Kostrate® Sizzle

PROPERTY	Test Method/Cert	SIZZLE	SIZZLE HHLM	SIZZLE HF	SIZZLE 6
Physical					
Specific Gravity	ASTM D 792	1.05	1.05	1.05	1.05
Melt Flow (200°C/5kg)	ASTM D 1238	12.0 g/ 10 min	3.5 g/ 10 min	18.0	6.0
Food Contact Acceptable	NSF/ ANSI 51	Certified	Certified	Certified	Certified
Food Contact Acceptable	FDA 21 CFR 177.1640	Compliant	Compliant	Compliant	Compliant
Mechanical					
Tensile Strength @ Yield	ASTM D 638	31 MPa (6,000 psi)	47 MPa (6,000 psi)	6,800 psi	6,500 psi
Flex Modulus	ASTM D 790	2275 MPa (450,000 psi)	3309 MPa (480,000 psi)	480,000 psi	460,000 psi
Flex Strength Yield	ASTM D 790	66 MPa (8,400 psi)	12,000	12,500 psi	9,600 psi
Elongation	ASTM D 790	2%	2%	2%	2%
Tensile Modulus	ASTM D 638	435,000 psi	450,000 psi	450,000 psi	450,000 psi
Izod Impact	ASTM D 256	0.4 ft-lb/in (21.4 J/M)	0.4 ft-lb/in (21.4 J/M)	0.4 ft-lb/in	0.4 ft-lb/in (21.4 JM)
Thermal					
Deflection Temp [@ .0455 MPa (66psi)]	ASTM D 648	184° F (84.4° C)	197° F (91° C)	193° F	192° F
Vicat Softening Temp.	ASTM D 1525	210° F (99° C)	222° F (106° C)	217° F	215° F
Optical Properties					
Haze	ASTM D 1003	0.5%	0.5%	0.5%	0.5%
Light Transmission	%	93%	93%	0.5%	0.5%
Recommended Processing					
Rear Temperature		440-470° F (226-241° C)	430-470° F (226-241° C)	430-470° F (226-241° C)	430-470° F (226-241° C)
Middle Temperature		450-480° F (232-246° C)	440-480° F (232-246° C)	440-480° F (232-246° C)	440-480° F (232-246° C)
Front Temperature		460-490° F (238-255° C)	450-490° F (238-255° C)	450-490° F (238-255° C)	450-490° F (238-255° C)
Nozzle/Die Head Temp.		440-490° F (226-255° C)	430-490° F (226-255° C)	430-490° F (226-255° C)	430-490° F (226-255° C)
Mold Temperature		80-100° F (27-38° C)	80-100° F (204-221° C)	80-100° F (204-221° C)	80-100° F (204-221° C)
Processing (Melt) Temp		450-490° F (204-221° C)	440-490° F (204-221° C)	440-490° F (204-221° C)	440-490° F (204-221° C)

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