



# Kostrate® Edge

## Standard Injection Molding Grades

Property	Units	LE Limited Elongation	ET Slight Elongation	YP Medium Elongation	UT High Elongation	HRM High Rigidity Modified
<b>Physical</b>						
Specific Gravity		1.06	1.05	1.03	1.02	1.02
Melt Flow (200°C/5kg)	g/10min.	2.5	5.4	7	8.5	11
<b>Mechanical</b>						
Tensile Strength Break	psi (lb/in <sup>2</sup> )		6,500	6,000	5,500	4,000
Flex Modulus	psi (lb/in <sup>2</sup> )	480,000	421,500	323,000	290,000	220,000
Flex Strength Yield	psi (lb/in <sup>2</sup> )	16,000	12,000	8,000	7,500	4,500
Elongation	%	6%	22%	60%	120%	220%
Hardness	Shore D	82	79	70	70	70
Dart Drop Impact 0.125 x 2.5" disk	in-lb	5	25	30	35	>40
<b>Thermal</b>						
HDT at 66 psi - unannealed, .125"	°F	200	185	173	168	170
<b>Appearance</b>						
Haze	%	0.5%	1.8%	1.9%	2.0%	1.0%
Light Transmission	%	93%	89%	89%	89%	91%
<b>Other</b>						
Mold Shrinkage	in/in	.003 - .006	.003 - .006	.003 - .006	.003 - .006	.003 - .005
Dishwasher Test	Cycles	300-500	300-500	300-500	300-500	300-500
Drying	Hrs - °F	NO	NO	NO	NO	NO

All information has been given for informative purposes only. Although the information is believed to be reliable, the data is provided without implied warranties of any kind.

## Standard Extrusion/EBM Molding Grades

Property	Units	MT Master Tough	HR High Rigidity	HRM	HB High Rubber	PSG 02 Impact Modifier
<b>Physical</b>						
Specific Gravity		1.01	1.03	1.02	1.01	0.98
Melt Flow (200°C/5kg)	g/10min.	11	14	11	15	
<b>Mechanical</b>						
Tensile Strength Break	psi (lb/in <sup>2</sup> )	4,500	5,000	4,000	3,700	
Flex Modulus	psi (lb/in <sup>2</sup> )	200,000	270,000	220,000	128,000	
Flex Strength Yield	psi (lb/in <sup>2</sup> )	5,000	5,500	4,500	4,500	
Elongation	%	250%	45%	220%	>300%	>800%
Hardness	Shore D	70	74	70	60	68
Dart Drop Impact 0.125 x 2.5" disk	in-lb	45	>30	>40	>40	N/B
<b>Thermal</b>						
HDT at 66 psi - unannealed, .125"	°F	175	180	170	155	
<b>Appearance</b>						
Haze	%	1.5%	1.0%	0.5%	1.5%	
Light Transmission	%	90%	90%	91%	90%	
<b>Other</b>						
Mold Shrinkage	in/in	.003 - .005	.003-.006	.003 - .006	.003 - .006	
Dishwasher Test	Cycles	300	300	300		
Drying	Hrs - °F	NO	NO	NO	NO	NO

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