



**PSG KOSTRATE EDGE® EXTRUSION OFFER**

PROPERTY	Unit	Master Tough	BMBT	High Rigidity	High Rigidity Modified (NEW!)	High Rubber Flexible
<b>Physical</b>						
Specific Gravity	psf (lb/ft <sup>2</sup> )	1.01	1.02	1.02	1.02	1.01
Melt Flow	g/10min.	4	4	2-4	2-4	11
<b>Mechanical</b>						
Tensil Modulus	psi (lb/in <sup>2</sup> )					
Tensile Strength Break	psi (lb/in <sup>2</sup> )	4,500	4,500	5,000	4,000	3,700
Flex Modulus	psi (lb/in <sup>2</sup> )	235,000	235,000	270,000	220,000	
Flex Strength Yield	psi (lb/in <sup>2</sup> )	5,000	5,000	5,500	5,500	4,500
Elongation	%	250%	100%	45%	220%	>300%
Hardness	Shore D	69	72	74	75	68
Dart Drop Impact 0.125 x 2.5" disk	ft lb/in	N/B	N/B	>30	>40	>40
<b>Thermal</b>						
HDT at 66 psi - unannealed, .125"	Deg. F	175	185	180	175	180
<b>Appearance</b>						
Haze	%	2.0%	1.5%	1.0%	0.5%	1.0%
Light Transmission	%	90%	92%	90%	93%	90%
<b>Other</b>						
Mold Shrinkage	in/in	.003-.005	.003 - .006	.003-.006	.003-.006	.003-.006
Dishwasher Test	Cycles	300	300-500	300	300	
Drying	Hrs - °F	NO	NO	NO	NO	NO

**REPLACES**

**Engineered Clears**

PROPERTY	Unit	PC	Copolymer Polyester	Rigid PVC	Flexible PVC
<b>Physical</b>					
Specific Gravity	psf (lb/ft <sup>2</sup> )	1.21	1.27	1.35 - 1.40	1.24-1.34
Melt Flow	g/10min.	4 - 22	4.0 to 35	0.74 to 4.3	
<b>Mechanical</b>					
Tensil Modulus	psi (lb/in <sup>2</sup> )				
Tensile Strength Break	psi (lb/in <sup>2</sup> )	8250 to 10400	3750 to 7360	5300 to 7590	800 to 1900
Flex Modulus	psi (lb/in <sup>2</sup> )	310,000	300,000	320,000	
Flex Strength Yield	psi (lb/in <sup>2</sup> )				
Elongation	%	100%	50 to 150%	40%	200 to 410%
Hardness	Shore D	70 to 123	106 to 117	99 to 116	
Dart Drop Impact 0.125 x 2.5" disk	ft lb/in				
Notch Izod Impact	ft lb/in	15	0.5	2	
<b>Thermal</b>					
HDT at 66 psi - unannealed, .125"	Deg. F	269	153	150	
<b>Appearance</b>					
Haze	%	1.0%	1.0%	1.5 - 2.0%	
Light Transmission	%	90%	88 - 91 %	80%	
<b>Other</b>					
Mold Shrinkage	in/in	0.003	0.003	0.005	
Dishwasher Test	Cycles	25-75			
Drying	Hrs - °F	2-4 Hrs@190-230	2-4 Hrs@160	NO or 2-4 Hrs@160	NO

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