

## Edge 9

PROPERTY	Unit	PSG Edge 9
<b>Physical</b>		
Specific Gravity	psf (lb/ft <sup>2</sup> )	1.02
Melt Flow	g/10min.	6
<b>Mechanical</b>		
Tensile Modulus	psi (lb/in <sup>2</sup> )	380,000
Tensile Strength Break	psi (lb/in <sup>2</sup> )	4,500
Flexural Modulus	psi (lb/in <sup>2</sup> )	330,000
Flexural Strength Yield	psi (lb/in <sup>2</sup> )	9,500
Elongation	%	5%
Hardness	Shore D	
Dart Drop Impact 0.125 x 2.5" disk	ft lb/in	0.5
Notched Izod Impact	ft lb/in	1.5
<b>Thermal</b>		
HDT at 66 psi - unannealed, .125"	Deg. F	180
<b>Appearance</b>		
Haze	%	1.0%
Light Transmission	%	91%
<b>Other</b>		
Mold Shrinkage	in/in	
Dishwasher Test	Cycles	125
Drying	Hrs - °F	NO

REPLACES

## Commodity Clears

PROPERTY	Unit	Crystal PS (GPPS)	Acrylic	SMMA	SAN
<b>Physical</b>					
Specific Gravity	psf (lb/ft <sup>2</sup> )	1.05	1.17	1.08	1.07
Melt Flow	g/10min.	2 - 20	5 - 20	2 - 6	6 - 10
<b>Mechanical</b>					
Tensile Modulus	psi (lb/in <sup>2</sup> )	440,000	425,000	475,000	492,000
Tensile Strength Break	psi (lb/in <sup>2</sup> )	7,100	8,000	7,500	8,900
Flexural Modulus	psi (lb/in <sup>2</sup> )	468,000	450,000	485,000	500,000
Flexural Strength Yield	psi (lb/in <sup>2</sup> )	14,600	15,000	13,000	18,900
Elongation	%	3%	4%	5%	2%
Hardness	Shore D	85	90	90	85
Dart Drop Impact 0.125 x 2.5" disk	ft lb/in				
Notch Izod Impact	ft lb/in	0.2	0.7	0.4	0.4
<b>Thermal</b>					
HDT at 66 psi - unannealed, .125"	Deg. F	167 - 212	180	212	221 - 239
<b>Appearance</b>					
Haze	%	2.0%	0.40%	0.50%	0.50%
Light Transmission	%	89%	91%	89%	89%
<b>Other</b>					
Mold Shrinkage	in/in				
Dishwasher Test	Cycles		10		255
Drying	Hrs - °F	NO	2-4 Hrs@180	NO	2-4 Hrs@175

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