

## CERTENE® AT5500 Transparent ABS

PROPERTY	ASTM	TEST CONDITION	UNIT	AT5500
<b>MECHANICAL</b>				
Tensile Strength at yield	D-638	5mm/min	kg/cm <sup>2</sup> (psi)	450 (6,400)
Flexural Strength	D-790	2.8mm/min	kg cm <sup>2</sup> (psi)	730 (10,400)
Flexural Modulus	D-790	2.8mm/min	kg cm <sup>2</sup> (10 <sup>3</sup> psi)	22,000 (312)
Izod Notched Impact Strength		D-256	1/4", 23°C	kg cm/cm (ft lb/in) 15(2.8)
Rockwell Hardness		1/8", 23°C	kg cm/cm (ft lb/in)	23(4.2)
		D-785		R105
<b>THERMAL</b>				
Heat Distortion Temperature		D-648	1/4", 18.56 kgf/cm <sup>2</sup>	°C(°F) 87(178)
<b>PHYSICAL</b>				
Specific Gravity	D-792			1.07
Water Absorption	D-570	24hr, immersion in water	%	0.3
		200°C/5kg	g/10min	1.0
Melt Flow Index	D-1238	220°C/10kg	g/10min	26
		230°C/3.8kg	g/10min	
Molding Shrinkage	D-955		%	0.3~0.6
<b>FLAMMABILITY</b>				
	<b>UL standard 94</b>			
1/16" Thickness			HB	
1/10" Thickness			HB	
1/8" Thickness			HB	

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