



## EXTRUDED ASA CAPPED ABS

<b>GENERAL</b>			
Density	ISO1183	1.05 ( 0.038)	g/cm <sup>3</sup> ( lb/in <sup>3</sup> )
Water Absorption	ISO62	0.95	%
<b>MECHANICAL</b>			
Tensile Strength	ISO527-2	45 ( 6526)	MPa ( psi )
Elongation at Break	ISO527-2	30	%
Tensile Modulus	ISO527-2	2400 ( 348000 )	MPa ( psi )
Flexural Strength	ISO178	70 ( 10152 )	MPa ( psi )
Flexural Modulus	ISO178	-	MPa ( psi )
Izod Impact Strength, Notched, 23°C	ISO180/1A	33 ( 15.6 )	kJ/m <sup>2</sup> ( ft-lb/in <sup>2</sup> )
Izod Impact Strength, Notched, -30°C	ISO180/1A	12 ( 5.71 )	kJ/m <sup>2</sup> ( ft-lb/in <sup>2</sup> )
<b>THERMAL</b>			
Vicat Softening Temperature, B50, Annealed	ISO306	100 ( 212 )	°C ( °F )
Heat Distortion Temperature, 1.8MPa	EGR TS-001	80 ( 176 )	°C ( °F )
Linear Thermal Expansion	DIN53752	8-11	/°K x 10 <sup>-5</sup>

*This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. The EGR Group (Oakmoore Pty Ltd) assumes no liability for use of information presented herein.*



## EXTRUDED ASA

<b>GENERAL</b>			
Density	ISO1183	1.06 ( 0.0382 )	g/cm <sup>3</sup> ( lb/in <sup>3</sup> )
Water Absorption	ISO62	0.95	%
<b>MECHANICAL</b>			
Tensile Strength	ISO527-2	40 ( 5801 )	MPa ( psi )
Elongation at Break	ISO527-2	35	%
Tensile Modulus	ISO527-2	1900 ( 275562 )	MPa ( psi )
Flexural Strength	ISO178	65 ( 9427 )	MPa ( psi )
Flexural Modulus	ISO178	1900 ( 275562 )	MPa ( psi )
Izod Impact Strength, Notched, 23°C	ISO180/1A	33 ( 15.7 )	kJ/m <sup>2</sup> ( ft-lb/in <sup>2</sup> )
Izod Impact Strength, Notched, -30°C	ISO180/1A	12 ( 5.71 )	kJ/m <sup>2</sup> ( ft-lb/in <sup>2</sup> )
<b>THERMAL</b>			
Vicat Softening Temperature, B50, Annealed	ISO306	100 ( 212 )	°C ( °F )
Heat Distortion Temperature, 1.8MPa	EGR TS-001	80 ( 176 )	°C ( °F )
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