

**Product:** Onyx Flute

**ONYX**

**Category:** Display & Visual - Rigid

**Country of Origin:** Australia

## Technical Specifications:

Property	Test Method	Value			
Physical		Nominal Values			
Melt Flow Index	ASTM D1238	1.8	g/10min		
Density	ASTM D792	0.90	g/cm <sup>3</sup>		
Mechanical					
Tensile Stress (Yield)	ASTM D638	290	kgf/cm <sup>2</sup>	28	MPa
Tensile Strain (Break)	ASTM D638	>100	%	>100	%
Flexural Modulus	ASTM D790	12.000	kgf/cm <sup>2</sup>	1.280	MPa
Impact					
Notched Izod Impact Strength (23°C)	ASTM D256	11.0	kgf·cm/cm	108	J/m
Notched Izod Impact Strength (-10°C)	ASTM D256	3.5	kgf·cm/cm	34	J/m
Thermal					
Heat Deflection Temperature (4.6kgf/cm <sup>2</sup> )	ASTM D648	105	°C		
Additional Properties					
Flammability	UL94	HB			

### Conversion<sup>+</sup>

- |   |   |
|---|---|
| <input type="checkbox"/> Flat bed cutters           | <input type="checkbox"/> Cold overlaminating          |
| <input type="checkbox"/> Friction fed cutters       | <input type="checkbox"/> Aqueous                      |
| <input type="checkbox"/> Die cutting                | <input type="checkbox"/> Latex inkjet                 |
| <input type="checkbox"/> Thermal transfer           | <input type="checkbox"/> Eco Solvnt inkjet            |
| <input checked="" type="checkbox"/> Screen printing | <input type="checkbox"/> Solvent inkjet               |
| <input type="checkbox"/> Offset printing            | <input checked="" type="checkbox"/> UV curable Inkjet |

<sup>+</sup>Always test with your combination of printer and inks prior to commercial use.

Sheet Sizes			
915 x 610mm, 3mm	130565	2440 x 1220mm, 3.3mm	130575
1220 x 915mm, 3mm	130558	2450 x 1240mm, 3.3mm	130576
1830 x 915mm, 3mm	130560	915 x 610mm, 5mm	130588
1830 x 1220mm, 3mm	130559	1220 x 915mm, 5mm	130579
1850 x 1250mm, 3mm	130561	1220 x 2440mm, 5mm	130578
2440 x 915mm, 3mm	130563	1830 x 915mm, 5mm	130583
2440 x 1220mm, 3mm	130562	1850 x 915mm, 5mm	130585
2450 x 1240mm, 3mm	130564	1850 x 1250mm, 5mm	130584
915 x 610mm, 3.3mm	130577	2440 x 1220mm, 5mm	130586
1220 x 915mm, 3.3mm	130566	2450 x 1240mm, 5mm	130587
1830 x 915mm, 3.3mm	130572	1830 x 1220mm, 5mm	131366
1830 x 1220mm, 3.3mm	130567	2440 x 1220mm, 8mm	131343
1830 x 1250mm, 3.3mm	130574		

Common Applications	
Exhibition displays	Exhibition stands
POS Signage	Mounting Boards
Shopping Fittings	POP Displays