



Oshenite®

### OSHENITE® PP TEST RESULTS\*

<i>Properties</i>	<i>COPP with 10% Oshenite®</i>	<i>COPP with 20% Oshenite®</i>	<i>COPP with 50% Oshenite®</i>	<i>COPP Data Sheet</i>
Melt Flow (230C/2.16kg)	0.670 g/10min	0.706 g/10min	1.125 g/10min	0.500 g/10min
Density	0.930 g/cc	0.986 g/cc	1.160 g/cc	0.900 g/cc
Tensile Strength	4150 psi	3850 psi	3470 psi	4000psi
Elongation at Break	617%	548%	559%	>500%
Flexural Modulus	194,100 psi	200,500 psi	290,900 psi	195,000 psi
Notched Izod Impact @72F	13.5 ft-lb/in NB	9.065 ft-lb/in NB	3.293 ft-lb/in NB	NB
Notched Izod Impact @-20C	0.896 ft-lb/in	0.899 ft-lb/in	0.614 ft-lb/in	2.50 ft-lb/in
Heat Deflection Temperature @ 66 psi	182 F	192 F	209 F	190 F

\*Extruded sample of 100% COPP and an extruded sample of 50% Oshenite®/50% COPP were supplied for evaluation also. These samples were checked for surface roughness comparison, gloss levels, and opacity with the results listed below.

### EXTRUDED SAMPLE EVALUATION

	<i>Surface Roughness</i>	<i>Gloss Level</i>	<i>Opacity (Densitometer)</i>
100% COPP	Ra 0.14 Rz 1.04 Rmax 1.37	74-79	0.42
50% COPP/50% Oshenite	Ra 0.13 Rz 1.42 Rmax 2.55	65-74	1.00



U.S. Aragonite Enterprises, LLC - *suppliers of Oshenite™ oolitic aragonite | The World's Only Renewable Performance Mineral*

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