

## Properties of Ceramic Formulations

INJECTION MOLDED BODIES						
	UNITS	Leachable Core Bodies			Refractory	Electrical
		IM 147	IM 149	IM 150	IM 191	IM 170
		96% Fused Silica	74% Fused Silica; 24% Zr	74% Fused Silica; 24% Zr (For finer detail applications)	99.8% Alumina	White Porcelain
<b>Shrink</b>	%	1.0	10.0	10.0	13.4	13.0
<b>Absorption</b>	%	24	21	21	3.3	1.0
<b>Apparent Specific Gravity</b>		2.35	2.64	2.67	3.60	2.47
<b>Flexural Strength (MOR)</b>	psi	1350	1600	2250	12400	4400
<b>Color</b>		Buff	Buff	Buff	White	White
<b>Thermal Expansion (25 - 700C)</b>	1E <sup>-6</sup> in/inC	13.95	n/a	16.36	n/a	n/a
<b>Leachability in 230F, 45% NaOH</b>		Very Good			n/a	

The information and data presented on this sheet is based on testing and research and believed to be accurate. Due to the variant nature of mineral deposits as they are mined, the user is responsible for determining the suitability for their process and their products/production needs. AP&P does not warrant the results and disclaims all liability for any inaccuracies or omissions, or for any direct, special or indirect or consequential damages or losses of whatever kind resulting from any any causes, or from products and information mentioned on this sheet.

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