

ALUMINA

	Standard (DYM)	High Wear (DTX)	Extra High Wear (DAT)	High Purity (BQU)	Very High Purity (BQQ)	
% Al ₂ O ₃	97%	97%	97%	99%	99.5%	
Ultimate Crystal Size (Microns)	10-100	4	1	1	1	
M.O.R	Kpsi	19	35	50	50	48
	MPa	130	240	340	340	326
Compressive Strength	Kpsi	195	360	350	350	336
	MPa	1350	2500	2400	2400	2300
Bulk density (g/cc)	3.55	3.70	3.85	3.92	3.78	
Coefficient of linear expansion 10 ⁻⁶ /°C	6.6	6.6	6.6	6.6	6.7	
Porosity %	5%	0.5%	0%	0%	0%	
Wear resistance depth of penetration (inches)*	.170	.080	.020	.020	.020	

* - 80 grit Al₂O₃ @ 45° @ 90 psi, 1 inch from wear surface for 30 seconds duration.

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