

ZIROX 180 (FR)

FRICTION ABRASIVE

MONOCLINIC ZrO_2



TAM Ceramics milled monoclinic zirconia powders otherwise known as milled ZIROX® powders are electrically fused from zirconium silicate sand into Zirconia (ZrO_2) powders. These powders are produced in a dry milling operation with an optional air classification separation. ZIROX powders have been produced consistently for over 50 years. Zirox 180 (FR) while used in friction materials will aid in modifying the friction coefficient along with increasing or decreasing the wear rate on mating surfaces. TAM Ceramics is a high quality ISO 9001 production facility. Zirox 180 (FR) can be produced in large or small quantities with relatively short lead times.

TYPICAL CHEMISTRY

ZIROX 180 (FR)

$ZrO_2 + HfO_2$	99.3%
SiO_2	0.14%
TiO_2	0.14%
Fe_2O_3	0.05%
Al_2O_3	0.21%

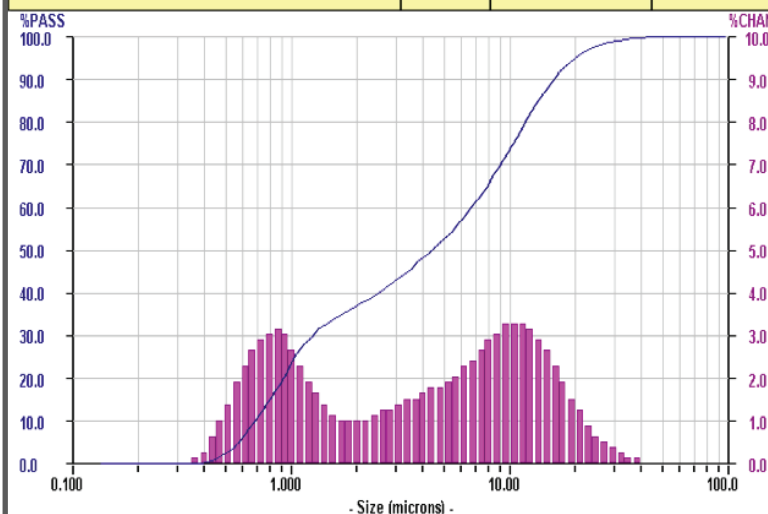
PHYSICAL

Surface Area, m^2/g	2.0
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MICROTRAC X-100

5g/40ml, 1%TSP
3.5 setting, ~18% output, 5 mins

Summary	Percentiles	Dia	Vol%	Width
mv = 6.689	10% = 0.675	8.436	66%	12.25
mn = 0.652	20% = 0.893	0.828	34%	0.618
ma = 1.813	30% = 1.253			
cs = 3.310	40% = 2.513			
sd = 6.195	50% = 4.426			
	60% = 6.733			
	70% = 9.108			
	80% = 11.83			
	90% = 15.94			
	95% = 19.90			



QUALITY STATEMENT

TAM Ceramics is an ISO 9001 company and is committed to employee & community safety, environmental responsibility, exceeding customer expectations, continuous improvement, quality and value.



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