

# TECHNICAL DATA SHEET

**PRODUCT:** PINK FUSED ALUMINA

**SIZE:**F180

Pink Fused Alumina is obtained by adding chromium oxide to aluminum oxide during the fusion process.

## AVERAGE CHEMICAL COMPOSITION(TYPICAL)(%)

	Al <sub>2</sub> O <sub>3</sub>	Cr <sub>2</sub> O <sub>3</sub>	Na <sub>2</sub> O	Fe <sub>2</sub> O <sub>3</sub>
Low Chromium	≥98.0	0.2-0.45	≤0.40	0.01-0.05
Medium Chromium	≥97.8	0.45-1.00	≤0.40	0.01-0.05
High Chromium	≥96.5	1.00-2.00	≤0.40	0.01-0.05

## PHYSICAL PROPERTIES(TYPICAL)

Basic minerals	α-Al <sub>2</sub> O <sub>3</sub>
Crystal size μm	600-2000
True density g/cm <sup>3</sup>	≥3.90
Bulk density g/ cm <sup>3</sup>	1.40-1.91
Knoop hardness kg/mm <sup>2</sup>	2200-2300

## PARTICLE SIZE DISTRIBUTION

MESH	UM	RETAINED %
+120	+125	0
+170	+90	≤15
+200	+75	*
+200+230	+75+63	≥40
+200+230+270	+75+63+53	≥65

## MAIN APPLICATIONS

Pink fused alumina is used for precision grinding of measuring tool, lathe main shafts, instruments and apparatus parts, threading work pieces and many other applications in grinding like flute grinding, tooth grinding, dry grinding of blade segments, tool and internal grinding and mounted point.

Pink fused alumina is best suitable for high alloy steel applications, ideal for tool sharpening such as high speed steel cutters, reamers, chisels, end mill and sharpening band saw blades.

Pink fused alumina is also recommended for knife-sharpening applications, working non-ferrous metals and the alloys.

Pink fused alumina has good performance for vitrified bonded abrasives, vitrified grinding wheels, coated abrasives and blasting abrasives,

Pink fused alumina can also be used for softer materials, such as wood, Synthetics etc.

**PACKAGING** 25kgs PVC bags+1MT big bag/Pallet

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