

PYRICAL

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DESCRIPTION

PYRICAL, distributed by Washington Mills, is prepared from carefully selected pure monocristallic iron pyrites (FeS_2). PYRICAL consists of finely grained Pyrite crystal splinters, which increases the thermal conductivity, the tensile strength, and the porosity of resin-bonded grinding wheels and cut off wheels.

PYRICAL improves durability and performance of organic bonded abrasives by reducing the temperature in the contact zone or the work piece and cut off / grinding wheel. PYRICAL is a non-toxic active filler based on a mix of minerals (mainly iron pyrite) developed for bonded abrasives. Similar to Sulfex Rosso, it is more basic; with a pH between 6 and 8, it is ideal to help polymerization of resins.

APPLICATIONS

PYRICAL is used as a grinding-active filler in resin-bonded grinding wheels and cut off wheels, brake linings, etc. It can be used alone or in combination with other active fillers in organic bonded abrasives.

TYPICAL CHEMICAL ANALYSIS*

S	min 30%
Fe	min 25%
Ca	min 5%

* PYRICAL is produced out of natural minerals and changes in the compositions of the raw material can occur, these technical data are to be seen as typical values.

SAFETY REMARKS

Consult appropriate SDS.

TYPICAL PHYSICAL PROPERTIES

Color	Powder dark grey to black with light crystal shimmer
Bulk Density	1.0 to 1.4 max g/cm ³
pH	6.0 to 8.0
Weight loss at 105°C	max 0.5%

LASER GRANULOMETRY

	% Passing
D50	25 μm max
D90	65 μm max

This product information is NOT a specification. It is offered in good faith only as a general description of the product. **Washington Mills makes no warranty of merchantability or of fitness for any particular purpose.** The product chemistry and other characteristics may vary or contain trace elements not specifically listed. If your intended application for this product is so critical that relatively minor variations in chemistry or physical properties could cause problems or damage to your process or product, please contact our office for further assistance.