

FIBERTEC *Reinforcing the plastics industry*

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Mineral Wool (COMPLEX MINERAL SILICATES)

TYPICAL PRODUCT SPECIFICATION

Chemical Composition	
Component	Weight %
SiO ₂	38 - 46
CaO	31 - 40
Al ₂ O ₃	9 - 12
MgO	8 - 15
Fe ₂ O ₃	0 - 2
Moisture	< 0.20

MINERAL DESCRIPTION

MINERAL WOOL FIBERS ARE INORGANIC SYNTHETIC "WOOL-LIKE" FIBERS COMPRISED MAINLY OF SILICATES OF CALCIUM, MAGNESIUM, AND ALUMINUM.

Typical Properties

Appearance	Gray, floccular
Morphology	Fibrous
pH	7 - 8
Specific Gravity	2.7

MICROWOOL

PLM

MORPHOLOGY

Length ¹	150 microns
Diameter ¹	6 microns

PROPERTIES

Loose Bulk Density	(g/cc)	0.27 +/- 0.03
	(lbs/ft ³)	16.9 +/- 1.7
Shot Content	(% +100 mesh)	< 1.0

¹ Microscopic measurement average 100 fibers

Final determination of the suitability of the material for the use contemplated is the sole responsibility of the user. No warranty is expressed or implied, and the manufacturer's only obligation shall be to replace such quantity of the product proven to be defective.