Hess Grade NCS-20

PARTICLE SIZE SPECIFICATION
GRADE NCS-20

<table>
<thead>
<tr>
<th>Laser Diffraction Analysis</th>
<th>MICRON [MM] SIZE</th>
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<tbody>
<tr>
<td>D90</td>
<td>52 - 72 [0.052-0.072]</td>
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<tr>
<td>D50</td>
<td>0 - 40 [0.04]</td>
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TEST METHOD: Refer to Standard Method

LOOSE BULK DENSITY
GRADE NCS-20
46 lb/per cubic foot [736.8 kg/per cubic meter] (ASTM C29)

CHEMICAL ANALYSIS AND PHYSICAL PROPERTIES

Chemical Name: Amorphous Aluminum Silicate

TYPICAL ANALYSIS
• Silicon Dioxide: 76.2%
• Aluminum Oxide: 13.5%
• Ferric Oxide: 1.1%
• Ferrous Oxide: 0.1%
• Sodium Oxide: 1.6%
• Potassium Oxide: 1.8%
• Calcium Oxide: 0.8%
• Titanium Oxide: 0.2%
• Magnesium Oxide: .05%
• Moisture: <1.0%
• Crystalline SiO2: None Detected

GENERAL PROPERTIES
• Appearance: White powder
• Hardness (MOHS): 6
• pH: 7.2
• Radioactivity: None
• Softening Point: 900 degrees C
• Water Soluble Substances: 0.15%
• Loss on Ignition - 5%
• GE Brightness: 84
• Specific Gravity: 2.5
• Reactivity: Inert (except in the presence of calcium hydroxide or hydrofluoric acid)

DESCRIPTION
Amorphous (non-crystalline) in structure and composed primarily of aluminum silicate, pumice is a naturally calcined volcanic glass foam consisting of highly vesicular strands permeated with tiny air bubbles. It is these frothy, friable glass vesicles that, when carefully refined to various grades, give pumice its unique and infinitely useful qualities.

GRADE APPLICATIONS
Used for: industrial coatings, paint extender and filler.

PACKAGING OPTIONS
• 1 lb or 1 kg resealable bags
• 44 lb [20 kg] bags (palleted)
• 50 lb [22.6 kg] bags (palleted)
• 55 lb [25 kg] bags (palleted)
• 1000 lb [454 kg] super sacks (palleted)
• Bulk shipped in rail car or tractor trailer

DISTRIBUTOR NETWORK
We have stocking distributors in 23 countries on every continent except Antarctica, allowing us to deliver pumice quickly and economically worldwide.