

Hess NCS Characteristics

CHARACTERISTICS OF HESS NON-CRYSTALLINE SILICA GRADES

Chemical Name: Amorphous Aluminum Silicate

TYPICAL PROPERTIES	NCS-3	NCS-5	NCS-8	NCS-10	NCS-12
Mean Particle Size (volume, microns)	6.7	10.3	14.0	14.2	17.2
ISO Brightness (dry)	83	82	80	78	76
Oil Absorption (cc/100g) ASTM D281	44.1	41.6	35.9	34.5	34.9
Hegman Grind	8.0	7.75	7.0	6.5	5.5
325 Mesh Residue (%)	<0.04	<0.04	<0.08	<0.4	<1.5
Moisture (%)	<1.0	<1.0	<1.0	<1.0	<1.0
Specific Gravity	2.35	2.35	2.35	2.35	2.35
Pounds / Cubic Foot Dry	38.1	37.6	42.9	43.5	46.1

CHEMICAL PROPERTIES	NCS-3	NCS-5	NCS-8	NCS-10	NCS-12
SiO ₂	>73	>73	>73	>73	>73
Al ₂ O ₃	>10	>10	>10	>10	>10
Acid Insolubles (%)	<1	<1	<1	<1	<1

PARTICLE SIZE DISTRIBUTION	NCS-3	NCS-5	NCS-8	NCS-10	NCS-12
Finer than 44 microns (%)	100.0	100.0	98.2	97.5	94.4
Finer than 7 microns (%)	62.1	42.7	32.9	33.9	26.9
Finer than 1 micron (%)	0.0	0.0	0.0	0.0	0.0



SALES: If you want to talk availability, grades or grade blends, logistics, costs—contact Jason Kimberling, Sales Manager, 208-766-4777 x142 or email salesmgr@hesspumice.com

RESEARCH: If you're exploring how pumice may fit your particular filler extender need and would like to run some tests—then we invite you to contact Brian Jeppsen at 208-766-4777 x111 or email brian@hesspumice.com