



Super Jamal: a leading water jet sand

Technical Specification (SI)

Item	SI	SI Standard	
		SI Standard	SI Standard
Moisture	0.00	0.00	0.00
Loss on Ignition	0.00	0.00	0.00
Specific Gravity	2.65	2.65	2.65
Fineness	0.075	0.075	0.075
Fineness	0.150	0.150	0.150
Fineness	0.300	0.300	0.300
Fineness	0.600	0.600	0.600
Fineness	1.180	1.180	1.180
Fineness	2.000	2.000	2.000
Fineness	4.750	4.750	4.750
Fineness	7.500	7.500	7.500
Fineness	15.000	15.000	15.000
Fineness	30.000	30.000	30.000
Fineness	60.000	60.000	60.000
Fineness	125.000	125.000	125.000
Fineness	250.000	250.000	250.000
Fineness	500.000	500.000	500.000
Fineness	1000.000	1000.000	1000.000
Fineness	2000.000	2000.000	2000.000
Fineness	4000.000	4000.000	4000.000
Fineness	8000.000	8000.000	8000.000
Fineness	16000.000	16000.000	16000.000
Fineness	32000.000	32000.000	32000.000
Fineness	64000.000	64000.000	64000.000
Fineness	128000.000	128000.000	128000.000
Fineness	256000.000	256000.000	256000.000
Fineness	512000.000	512000.000	512000.000
Fineness	1024000.000	1024000.000	1024000.000
Fineness	2048000.000	2048000.000	2048000.000
Fineness	4096000.000	4096000.000	4096000.000
Fineness	8192000.000	8192000.000	8192000.000
Fineness	16384000.000	16384000.000	16384000.000
Fineness	32768000.000	32768000.000	32768000.000
Fineness	65536000.000	65536000.000	65536000.000
Fineness	131072000.000	131072000.000	131072000.000
Fineness	262144000.000	262144000.000	262144000.000
Fineness	524288000.000	524288000.000	524288000.000
Fineness	1048576000.000	1048576000.000	1048576000.000
Fineness	2097152000.000	2097152000.000	2097152000.000
Fineness	4194304000.000	4194304000.000	4194304000.000
Fineness	8388608000.000	8388608000.000	8388608000.000
Fineness	16777216000.000	16777216000.000	16777216000.000
Fineness	33554432000.000	33554432000.000	33554432000.000
Fineness	67108864000.000	67108864000.000	67108864000.000
Fineness	134217728000.000	134217728000.000	134217728000.000
Fineness	268435456000.000	268435456000.000	268435456000.000
Fineness	536870912000.000	536870912000.000	536870912000.000
Fineness	1073741824000.000	1073741824000.000	1073741824000.000
Fineness	2147483648000.000	2147483648000.000	2147483648000.000
Fineness	4294967296000.000	4294967296000.000	4294967296000.000
Fineness	8589934592000.000	8589934592000.000	8589934592000.000
Fineness	17179869184000.000	17179869184000.000	17179869184000.000
Fineness	34359738368000.000	34359738368000.000	34359738368000.000
Fineness	68719476736000.000	68719476736000.000	68719476736000.000
Fineness	137438953472000.000	137438953472000.000	137438953472000.000
Fineness	274877906944000.000	274877906944000.000	274877906944000.000
Fineness	549755813888000.000	549755813888000.000	549755813888000.000
Fineness	1099511627776000.000	1099511627776000.000	1099511627776000.000
Fineness	2199023255552000.000	2199023255552000.000	2199023255552000.000
Fineness	4398046511104000.000	4398046511104000.000	4398046511104000.000
Fineness	8796093022208000.000	8796093022208000.000	8796093022208000.000
Fineness	17592186044416000.000	17592186044416000.000	17592186044416000.000
Fineness	35184372088832000.000	35184372088832000.000	35184372088832000.000
Fineness	70368744177664000.000	70368744177664000.000	70368744177664000.000
Fineness	140737488355328000.000	140737488355328000.000	140737488355328000.000
Fineness	281474976710656000.000	281474976710656000.000	281474976710656000.000
Fineness	562949953421312000.000	562949953421312000.000	562949953421312000.000
Fineness	1125899906842624000.000	1125899906842624000.000	1125899906842624000.000
Fineness	2251799813685248000.000	2251799813685248000.000	2251799813685248000.000
Fineness	4503599627370496000.000	4503599627370496000.000	4503599627370496000.000
Fineness	9007199254740992000.000	9007199254740992000.000	9007199254740992000.000
Fineness	18014398509481984000.000	18014398509481984000.000	18014398509481984000.000
Fineness	36028797018963968000.000	36028797018963968000.000	36028797018963968000.000
Fineness	72057594037927936000.000	72057594037927936000.000	72057594037927936000.000
Fineness	144115188075855872000.000	144115188075855872000.000	144115188075855872000.000
Fineness	288230376151711744000.000	288230376151711744000.000	288230376151711744000.000
Fineness	576460752303423488000.000	576460752303423488000.000	576460752303423488000.000
Fineness	1152921504606846976000.000	1152921504606846976000.000	1152921504606846976000.000
Fineness	2305843009213693952000.000	2305843009213693952000.000	2305843009213693952000.000
Fineness	4611686018427387904000.000	4611686018427387904000.000	4611686018427387904000.000
Fineness	9223372036854775808000.000	9223372036854775808000.000	9223372036854775808000.000
Fineness	18446744073709551616000.000	18446744073709551616000.000	18446744073709551616000.000
Fineness	36893488147419103232000.000	36893488147419103232000.000	36893488147419103232000.000
Fineness	73786976294838206464000.000	73786976294838206464000.000	73786976294838206464000.000
Fineness	147573952589676412928000.000	147573952589676412928000.000	147573952589676412928000.000
Fineness	295147905179352825856000.000	295147905179352825856000.000	295147905179352825856000.000
Fineness	590295810358705651712000.000	590295810358705651712000.000	590295810358705651712000.000
Fineness	1180591620717411303424000.000	1180591620717411303424000.000	1180591620717411303424000.000
Fineness	2361183241434822606848000.000	2361183241434822606848000.000	2361183241434822606848000.000
Fineness	4722366482869645213696000.000	4722366482869645213696000.000	4722366482869645213696000.000
Fineness	9444732965739290427392000.000	9444732965739290427392000.000	9444732965739290427392000.000
Fineness	18889465931478580854784000.000	18889465931478580854784000.000	18889465931478580854784000.000
Fineness	37778931862957161709568000.000	37778931862957161709568000.000	37778931862957161709568000.000
Fineness	75557863725914323419136000.000	75557863725914323419136000.000	75557863725914323419136000.000
Fineness	151115727451828646838272000.000	151115727451828646838272000.000	151115727451828646838272000.000
Fineness	302231454903657293676544000.000	302231454903657293676544000.000	302231454903657293676544000.000
Fineness	604462909807314587353088000.000	604462909807314587353088000.000	604462909807314587353088000.000
Fineness	1208925819614629174706176000.000	1208925819614629174706176000.000	1208925819614629174706176000.000
Fineness	2417851639229258349412352000.000	2417851639229258349412352000.000	2417851639229258349412352000.000
Fineness	4835703278458516698824704000.000	4835703278458516698824704000.000	4835703278458516698824704000.000
Fineness	9671406556917033397649408000.000	9671406556917033397649408000.000	9671406556917033397649408000.000
Fineness	19342813113834066795298816000.000	19342813113834066795298816000.000	19342813113834066795298816000.000
Fineness	38685626227668133590597632000.000	38685626227668133590597632000.000	38685626227668133590597632000.000
Fineness	77371252455336267181195264000.000	77371252455336267181195264000.000	77371252455336267181195264000.000
Fineness	154742504910672534362390528000.000	154742504910672534362390528000.000	154742504910672534362390528000.000
Fineness	309485009821345068724781056000.000	309485009821345068724781056000.000	309485009821345068724781056000.000
Fineness	618970019642690137449562112000.000	618970019642690137449562112000.000	618970019642690137449562112000.000
Fineness	1237940039285380274899124224000.000	1237940039285380274899124224000.000	1237940039285380274899124224000.000
Fineness	2475880078570760549798248448000.000	2475880078570760549798248448000.000	2475880078570760549798248448000.000
Fineness	4951760157141521099596496896000.000	4951760157141521099596496896000.000	4951760157141521099596496896000.000
Fineness	9903520314283042199192993792000.000	9903520314283042199192993792000.000	9903520314283042199192993792000.000
Fineness	19807040628566084398385987584000.000	19807040628566084398385987584000.000	19807040628566084398385987584000.000
Fineness	39614081257132168796771975168000.000	39614081257132168796771975168000.000	39614081257132168796771975168000.000
Fineness	79228162514264337593543950336000.000	79228162514264337593543950336000.000	79228162514264337593543950336000.000
Fineness	158456325028528675187087900672000.000	158456325028528675187087900672000.000	158456325028528675187087900672000.000
Fineness	316912650057057350374175801344000.000	316912650057057350374175801344000.000	316912650057057350374175801344000.000
Fineness	633825300114114700748351602688000.000	633825300114114700748351602688000.000	633825300114114700748351602688000.000
Fineness	1267650600228229401496703205376000.000	1267650600228229401496703205376000.000	1267650600228229401496703205376000.000
Fineness	2535301200456458802993406410752000.000	2535301200456458802993406410752000.000	2535301200456458802993406410752000.000
Fineness	5070602400912917605986812821504000.000	5070602400912917605986812821504000.000	5070602400912917605986812821504000.000
Fineness	10141204801825835211973625643008000.000	10141204801825835211973625643008000.000	10141204801825835211973625643008000.000
Fineness	20282409603651670423947251286016000.000	20282409603651670423947251286016000.000	20282409603651670423947251286016000.000
Fineness	40564819207303340847894502572032000.000	40564819207303340847894502572032000.000	40564819207303340847894502572032000.000
Fineness	81129638414606681695789005144064000.000	81129638414606681695789005144064000.000	81129638414606681695789005144064000.000
Fineness	162259276829213363391578010288128000.000	162259276829213363391578010288128000.000	16225927682921



Super Gemel: a leading water jet Gemel

Technical Data Summary (mm)

Item	mm	Measured	Accepted to Toler.
40	0.400	0.399	0.400
50	0.500	0.499	0.500
60	0.600	0.599	0.600
80	0.800	0.799	0.800
100	1.000	0.999	1.000
125	1.250	1.249	1.250

WATER-JET REPORT

Analysis	Measured	Toler.
Water	0.000000	0.000000
Oil	0.000000	0.000000
Other	0.000000	0.000000



PHYSICAL PROPERTIES

Parameter	Measured	Toler.
Free surface	max 10.00000	10.000000
Volume	max 20.0000	20.000000
Weight group	max 10.00	10.000000
Free surface	max 10.000000	10.000000
Volume	max 20.000000	20.000000
Weight group	max 10.000000	10.000000
Free surface	max 10.000000	10.000000
Volume	max 20.000000	20.000000
Weight group	max 10.000000	10.000000

TESTING & CONTROL

Parameter	Measured	Toler.
40	0.399	0.400
50	0.499	0.500
60	0.599	0.600
80	0.799	0.800
100	0.999	1.000
125	1.249	1.250

Product description, identification, & analysis.
Measurement uncertainties and reference material.
Date: 11/01/2012





Technical Data Summary (continued)

Item	Unit	Recommended	Typical
PH	8.0-8.5	8.0-8.5	8.0
Ca	0.000	0.000	0.00
Mg	0.000	0.000	0.00
Fe	0.000	0.000	0.00
Cl	0.000	0.000	0.00
SO ₄	0.000	0.000	0.00
NO ₃	0.000	0.000	0.00
Si	0.000	0.000	0.00

MINERALOGICAL REPORT

Minerals	Recommended	Typical
Quartz	99.99-100.00	100.00
Albite	99.99-100.00	100.00
Other	0.00-0.00	0.00

PHYSICAL PARAMETERS

Parameter	Recommended	Typical
Particle Size	100-150µm	100-150µm
Specific Gravity	2.65-2.66	2.65
Flowability	Good	Good
Moisture Content	0.00-0.05%	0.00%
Hardness	7-8 Mohs	7-8 Mohs
Chemical Stability	High	High

Environmental Data

Parameter	Recommended	Typical
CO ₂	0.00-0.00%	0.00%
SO ₂	0.00-0.00%	0.00%
NO _x	0.00-0.00%	0.00%
PM ₁₀	0.00-0.00%	0.00%
PM _{2.5}	0.00-0.00%	0.00%
Heavy Metals	0.00-0.00%	0.00%





INDUSTRIAL
Minerals (M) Ltd

ISO SUPER garnet

Super Garnet is a leading water jet garnet



Super Garnet is ISO 11126-10 Certified

(Meets required chemical levels, Free Silica Content, Hardness and Consistency)

Super Garnet is one of the worlds leading garnets.

Super Garnet is a certified **High Performing** water jet abrasive.

Super Garnet offers many **Advantages** and **Guaranteed Performance**.

Super Garnet is Almandine garnet, which is the **hardest & toughest** garnet.

- ✓ Conforms to ISO 11126-10
- ✓ Mill-Span Approved
- ✓ Low-Chlorides (Below 20 ppm)
- ✓ Quality Certs (available for every format)
- ✓ High Purity, Low Dust, Precision Edges
- ✓ Superior Cutting & Cost Effective



Industrial Minerals (M) Ltd is the worldwide supplier of Super Garnet. We have a rich 20 year experience of supplying Super Garnet which has been used on major projects including Oil Refineries, Harbour Bridges, Off Shores, Off Shores Oil Platforms, Pipelines, Pipelines, Cranes, Ship, Oil Rigs, Power Stations, Sand Processes and has been formally approved.

Dx Grade SUPER GARNET
0.425 - 0.125 mm 60 Mesh

Dy Grade SUPER GARNET
0.30 - 0.125 mm 60 Mesh

Dz Grade SUPER GARNET
0.25 - 0.075 mm 120 Mesh

