hnical Information Guide: Grit Equivalency Guide & Etchants

Exposure you been and Stein			
Neithell 1-10 mil HNAO, 90-99 mil Ethanol or Mathenol	Most common etchant for Fe, Carbon and Alby steels, Cast rom: Reveals sighle grain boundaries and constituents. The 2% solution is the most common, Use by mineracin for up to 6th september; Co not be solution; She sharped a solution; that september 2% intrinsical 2% interests.		
Picral do Picric Acid 100 mil Ethanol	Recommended for structures conditing of femite and carbole. Overs not reveal femite grain boundaires. Addition of 0.5-1% zeptiman strongle (a commonly used antibacterial agent) improves etch rate and uniformity. Use by immersion for up to 60 seconds or by swaldting (openal).		
Glyceneglia 8 parts INCT 9 parts Octomol 1 parts HMO,	For high-alling streets, austionitie Mrs street, standard to become allow. Reveals grain structure, custimes digma and cartifies their became action and for martenative or female standard stand, our 2 gards IPCL Socials sample 5-30 seconds.		
Whellar's Reagaint tig Policy Acid 5 mil sets 100 mil Esthanol	For high alloy sheets and standard standard standard for age to it manufer by immension or swebbing. Outlines constituents such as carbides, opinion phase and defails femiliar, etches martenistic.		
Encountry rose Correct Asserts Asserts			
25 and 524 One 25 and Discilled Water (optional) 25-50 and (4,0, (2%)	Ceneral-purpose grain contrast with for Cu and alloys blocs not always produce grain contrast). Use fresh, add perceide last, Use under a flume hoold. Seeks sample 5-45 seconds.		
Sig ReCNO), 25 and INC1 70 and Distribut Water	Secrifient general gurpose etch, reveals grain boundaries well, Immerse sample 10-30 seconds. Steplan and Pohaskal		
Englescoping trape decimensors when date	574		
0.1-10 md off 90-100 md Distilled Water	General-purpose reagent. Attacks RAN,, other constituents outlined. Grain contrast usually poor. The 6.5% concentration of M a very propuler. Use by sestioning		
Celler's Resignment 2.5 and totals, 1.5 and totals, 1.md set 90-md Coutified Warter	Nery projular general purpose reagent for Al and Al alloys, except high Si alloys. Swalls sample 16-20 seconds, Wish in warm water. Can tollow with a dig in concentrated rifeO ₂ . Outlines all common constituents, reveals grain boundaries in centain alloys.		
Engineeric ripe Mispain, main Austria.			
Kalling's No. 2 29 Co Cl 40 nd eCl 40 do nd Ethanol	"Wilderless Kallings" for Ni-Cu, superaloys and starriess steels. Good for grain size. Seeds for up to a few minutes. Can be stored		
Acetic Stycenegia 15, mil st;: 10 mil Acetic Acid 5 mil st(c), 1-2 diego, Stycenol (optional)	For superalloys, Uter fresh. Discard wifeen turns yelfowitorange. Do not stone. Seeds sample 5-30 seconds.		
Excessive you Trouseum and Acces	est.		
Knoin Respent 2-6 ml HMO 100 mt Dooled Water	Very good enth: Sweb 3-10 seconds or immerse sample 10-30 seconds.		
and a deducate transport of the state of the	word interest MOOI of all changes to contact the contract to contract to contract the contract to cont		



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INGPEANIUS EQUILIVANCY GUIDE

FEPA (Europe)			ANSUCAMI (US)	
Grit Number	Micron (um)	Grit Number	Micron Gund	Emery Grit
P60	269.0	60	268.0	
P80	201.0	80	188.0	
P100	162.0	100	148.0	
P120	127.0	120	116.0	
P180	78.0	180	78.0	3
P240	58.5	220	66.0	2
P280	52.2	240	51.8	
P3/2/0	46.2			
P360	40.5	260	42.3	1
PAGG	35.0	320	34.3	0
P5/00	30.2	360	27.3	
P600	25.8			
PB00	21.8	400	22.1	00
P1000	18.3	500	18.2	000
P1200	15.9	600	34.5	
and the second	14.4	444		

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Fran Cverna

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