



Grinding Machinery & Supplies

[www.gmsigroup.com](http://www.gmsigroup.com)

[Abrasive Wheels & Segments](#) - [Gockel Knife Grinders](#) - [Super Abrasives](#) - [Edge Honing Methods](#)

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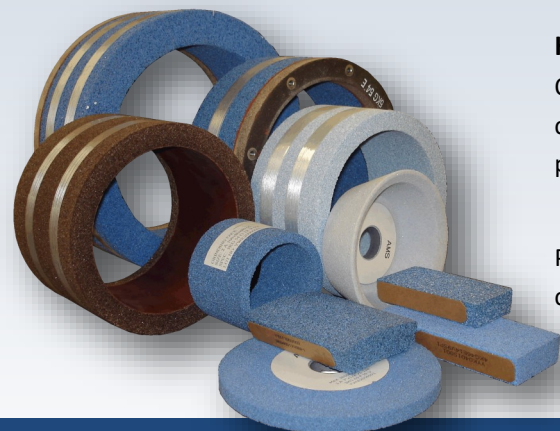
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Abrasive Wheels and Segments

We carry the largest inventory of abrasive tooling for machine knife grinding applications. Our mission is to have readily available solutions from our experienced team of professionals.

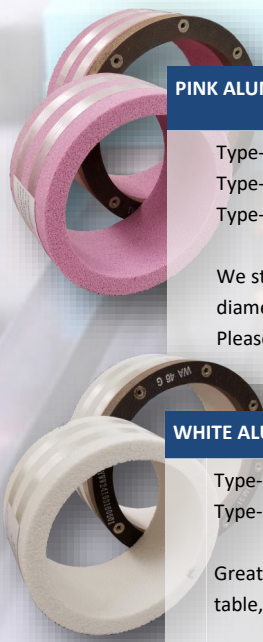


High Performance Ceramic Grains

Our formulation yields the shortest grind times with granulators, shears and chipper blade applications. When finish is more important we offer a proprietary blend in our resin bond line.

Please contact us with your machine model, brand and grinding motor capacities for assistance with your applications.

Stock Number	Description	Package Qty	Price Break	Price Break
200-1054G1207	Type-2 Vitrified, 3KG 54-G 12V9B, 100 x 80 x 80mm	1	6	24
200-0036G1407	Type-2 Vitrified, 5KG 36-G 14V9B, 200 x 100 x 160mm	4	12	32
200-0054E1407	Type-2 Vitrified, 5KG 54-E 14V9B, 200 x 100 x 160mm	4	12	32
201-0054E1407	Type-52 Vitrified, 5KG 54-E 14V9BP2, 250x100x200mm	2	10	30
201-0054F1407	Type-52 Vitrified, 5KG 54-F 14V9BP2, 250 x 100 x 200mm	2	10	30
201-0054G1407	Type-52 Vitrified, 5KG 54-G 14V9BP2, 250 x 100 x 200mm	2	10	30
231-0046E1207	Type-SO Vitrified, 5KG 46-E 12V 9BP1, 70/64 x 25 x 150mm	30	300	1000
231-0046F1207	Type-SO Vitrified, 5KG 46-F 12V 9BP1, 70/64 x 25 x 150mm	30	300	1000
231-0046G1207	Type-SO Vitrified, 5KG 46-G 12V 9BP1, 70/64 x 25 x 150mm	30	300	1000



PINK ALUMINUM OXIDE	Package Qty	Price Break	Price Break
Type-2, 200 x 100 x 160mm	4	12	32
Type-52, 250 x 100 200mm (eight threaded inserts)	2	12	32
Type-SO 70/64 x 25 x 150mm (segment)	30	300	1000
We stock 60 grit from a D-hardness up to a G in both 200mm and 250mm diameter wheels. A suitable grain for all types of grinding applications. Please contact us with your applications.			

WHITE ALUMINUM OXIDE	Package Qty	Price Break	Price Break
Type-2, 200 x 100 x 160mm	4	12	32
Type-52, 250 x 100 200mm (eight threaded inserts)	2	12	32
Great all purpose wheels for an economical solution for grinding the work table, Zamboni knives or any mild steel production applications.			

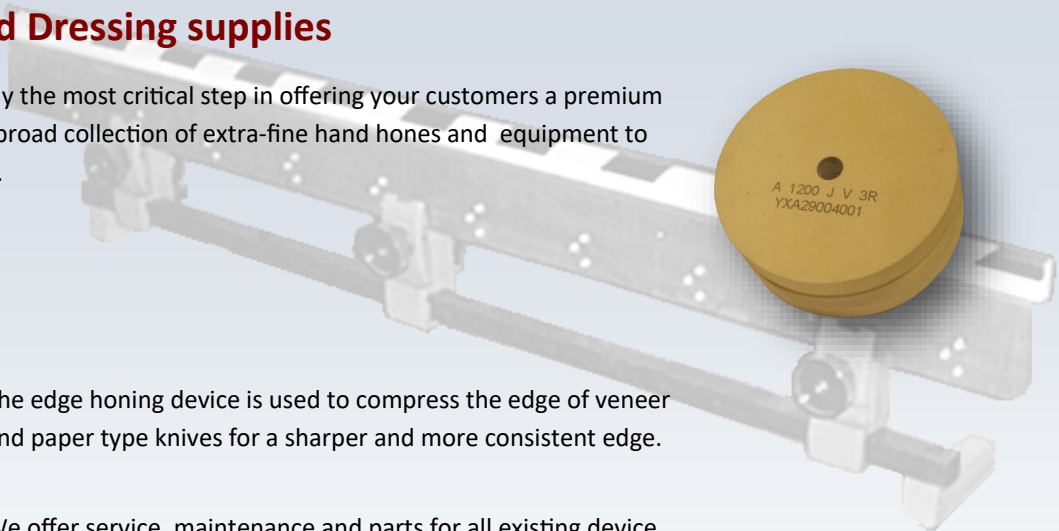
Honing Methods and Dressing supplies

Your honing process is probably the most critical step in offering your customers a premium performing edge. We stock a broad collection of extra-fine hand hones and equipment to support all current techniques.



The edge honing device is used to compress the edge of veneer and paper type knives for a sharper and more consistent edge.

We offer service, maintenance and parts for all existing device

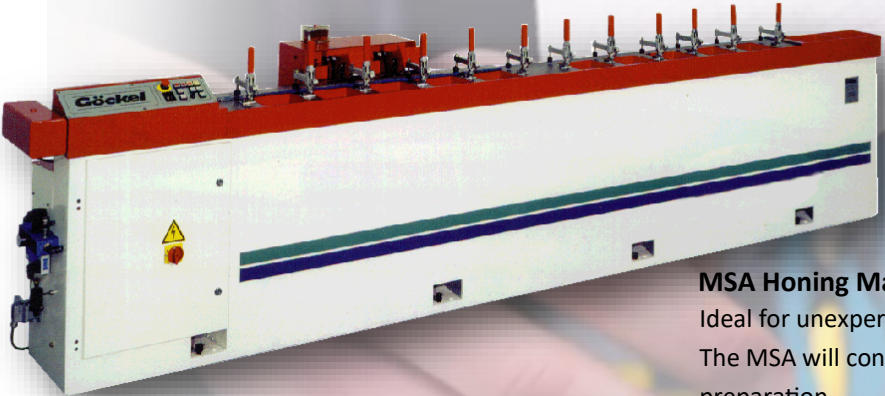


Stock Hand Hones & Dressing Sticks

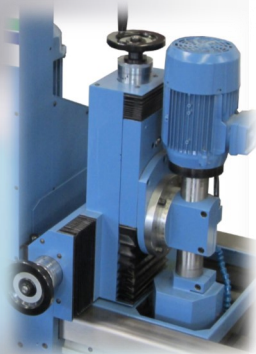
Stock Number	Description	Package Qty	Price Break	Price Break
400-1200J0301	Round Hand Hone, A 1200-J V3R1S, 93 x 38 x 10mm (Extra Fine Hone)	5	30	90
400-0800J0301	Round Hand Hone, A 800-J V3R1S, 93 x 38 x 10mm (Fine Hone)	5	30	90
405-0220J0112	Round Hand Hone, GC 220-J V (Green Silicon Carbide), 100 x 40mm	5	30	90
405-1232J0115	Round Hand Hone, C120/320-J V (Gray Silicon Carbide), 100 x 40mm	5	30	30
470-0240I0105	Dressing Stick, WA 240-I V, 4" x 1" x 1/2" (for diamond and CBN)	5	20	50
472-0024K0115	Dressing Stick, C24-K V, 8" x 2" x 1" (Hand dress conventional wheels)	5	20	50
473-0024K0115	Dressing Stick, C 24-K V, 6" x 1.5" x 1" (Hand dress conventional wheels)	5	20	50

Super Finishing & Micro-beveling

A method of super finishing the edge yielding the sharpest most consistent edge with little attention to removing any burr. Front and back micro-bevels of veneer knives.



**MSA Honing Machine**  
Ideal for unexperienced employees or high production demands. The MSA will consistently reproduce a honed edge with little preparation.

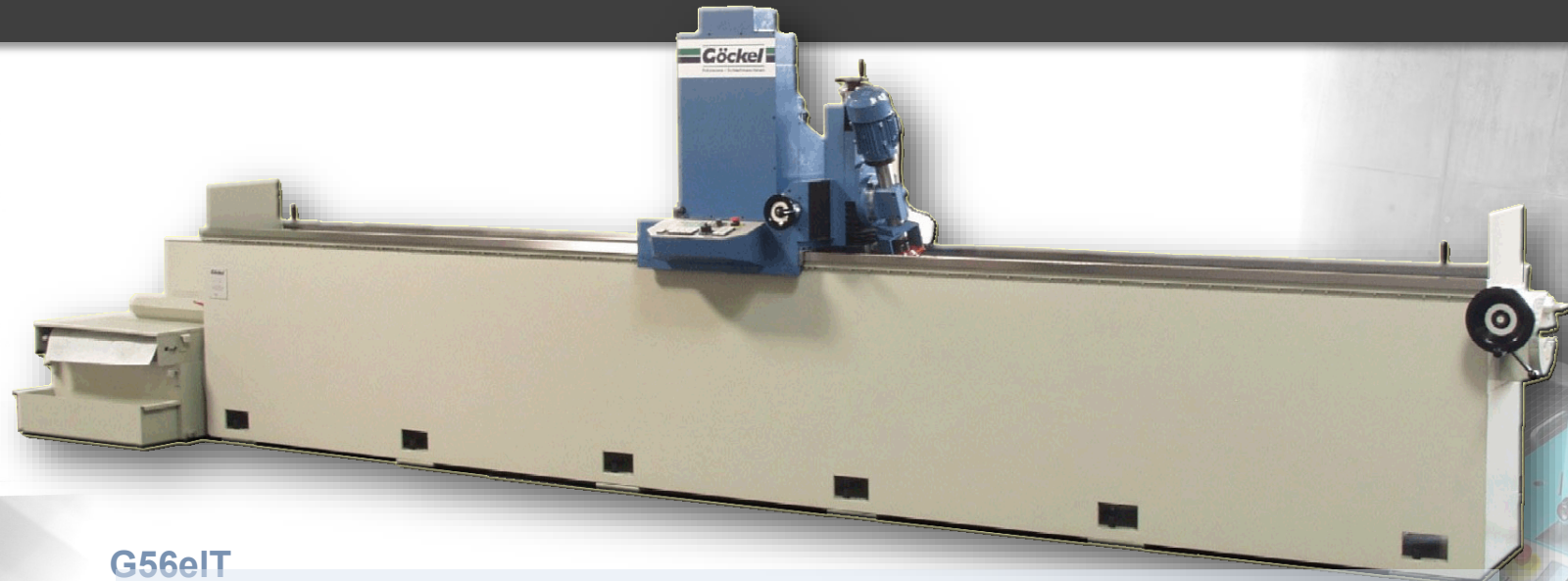




# Göckel Precision Knife Grinding Machines

The world leader in precision longitudinal grinding machines. Uncompromised quality and engineering is built into all models giving you decades of tolerance and reliability.

- Heavy duty precision spindle motor, dynamically balanced with coolant feed through the motor shaft.
- Siemens Controls, PLC and operator panels with practical and easy to use programing.
- Heavy duty cellular machine base is stress relieved and machined to the highest tolerance.
- Smoothest power flow with all drive and guide way options allowing for workpiece accuracy and superior surface finish.
- Many options in automation and enhancements that give you a machine that excides your production requirements.



## G56eIT High Performance Knife Grinder

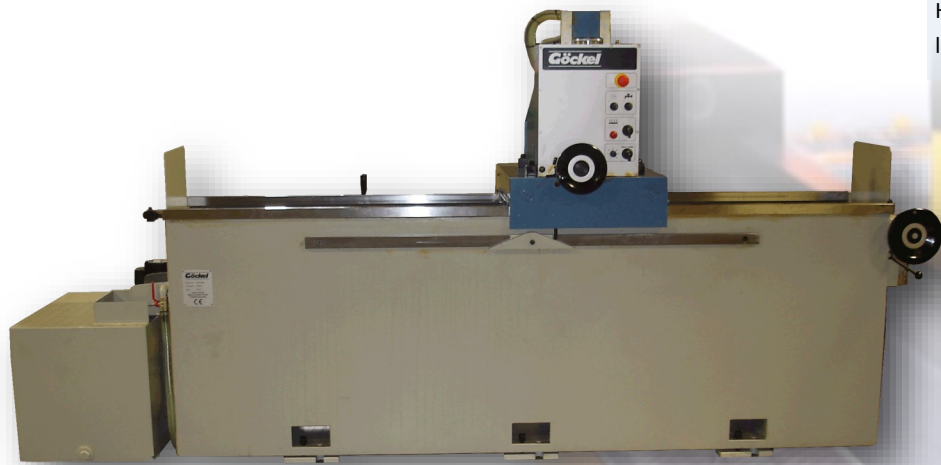
Our premier knife sharpening system with our most current technology and technique. Most accurate linear way system, bellows for coolant mist containment, LCD operator desk with our most current automation with options and capacities to meet your requirements.

## G56eIT Veneer Knife Grinder

Designed specifically to meet the highest demands with the most current techniques in sharpening veneer type blades. Auxiliary attachment ergonomically arranged for back and top micro beveling. Straight forward user friendly design built for the most serious mill environments.

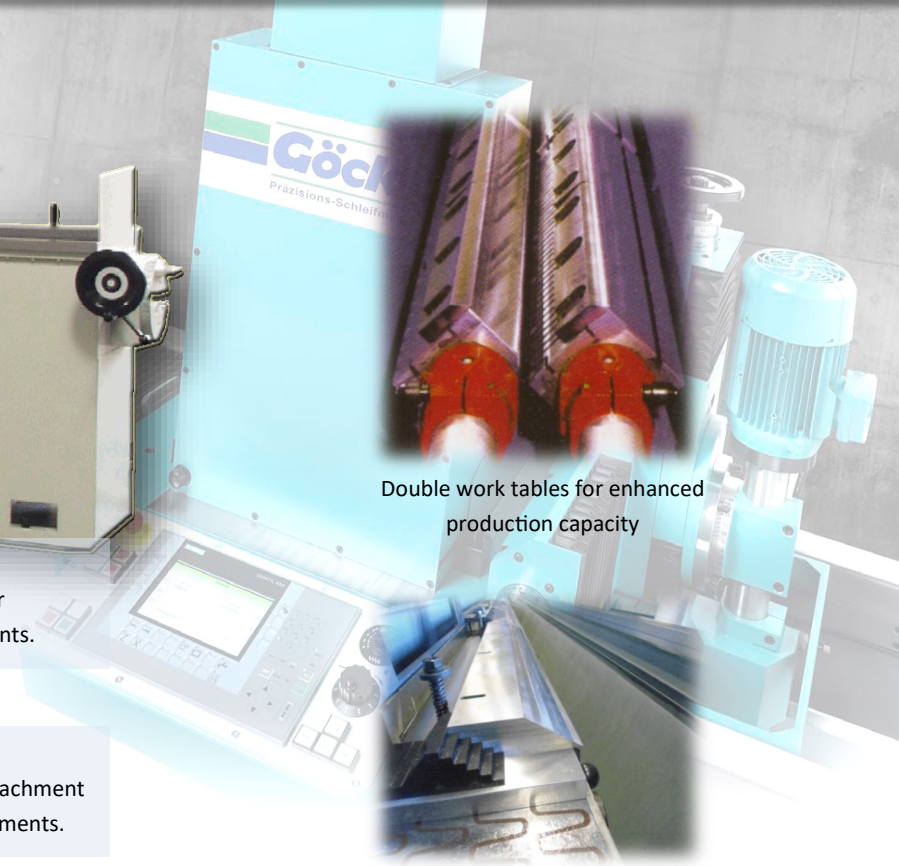
## G66eI / G66eID High Production Grinder

Heavy duty production grade grinding machine with 40-hp grinding motor and aggressive segment grinding head in combination with our latest linear way and drive systems. With our eID (double work tables) you can double your production capacity.



## G50RSeI / G50eI / G50eIT

The benchmark of the Göckel machine line that is found in service shops and maintenance departments worldwide. Fabricated to the highest standards of German engineering and to your budget with smart features to meet your production demands. 15-hp grinding spindle, 6" wide electromagnetic worktable built to your required length, heavy duty cast support and carriage along with upgrades and options to meet your requirements.



Double work tables for enhanced production capacity

Stacking Fixtures for chipper, planer and jointer type knives

## R2

Manual economical machine. Universal up to 12" diameter blades. 1/2-hp grinding motor, coolant system and ridged cast supports.

## RB3

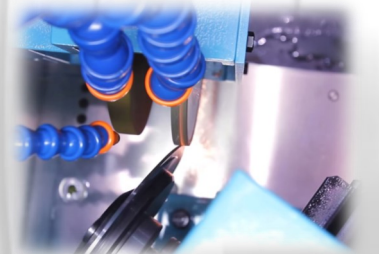
Mid-range automatic NC/PLC machine. Programming for double grinding wheel polishing applications up to 12" diameter. 2-hp grinding motor, variable speeds, pneumatic clamp plus many options.

## RB5

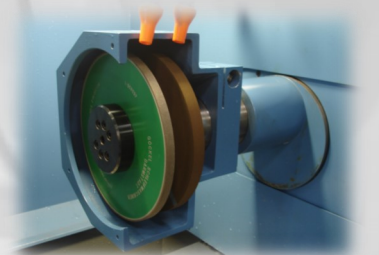
Heavy duty NC/PLC machine with programs for multi-groove, double wheel, auto honing. 18" diameter, up to 10-hp grinding motor and heavy duty construction with many options.



Precision circular knife grinding machines. Easy to operate and programmable for precise sharpening applications with reproducible results. All circular knife types from small scoring knives to large multi band slitters.



Double Grinding Wheel Program for Polishing Slitter Knives





Diamond and CBN Wheels



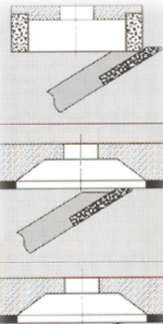
Super Abrasives for knife grinding, saw sharpening and tool & cutter grinding applications. Premium grains and bonds to meet your demands. Quick lead times and custom formulations.

Please contact us for a complete list of wheel types and grades. We will expedite test wheels and keep wheels available for your production.

All types of resin bond and plated wheels are available.

Stock Number	Type	Description	Application
301-006A2152	6A2H	Diamond, SDC-150N-100R-W6A1, 200 x 25 x 50mm (6 x 6mm Rim)	Roughing wheel for carbide paper knives or general carbide applications
301-006A2745	6A2H	Diamond, SDC-400N-75R-W6A1, 200 x 25 x 50mm (6 x 6mm Rim)	Medium grade carbide applications finish and light grinding
301-006A2801	6A2H	Diamond, SDC-800N-50R-W6A1, 200 x 25 x 50mm (6 x 6mm Rim)	Finishing wheel for carbide paper knives or carbide finishing applications
300-012A2061	12A2	CBN, BCD-1200N-50R-W4A1, 125 x 25 x 32mm, 45° (6 x 4mm Rim)	Super-finishing HSS knives or micro-beveling on the Super-Finishing attachment.
301-012A2071	12A2	Diamond, SDC 800N-50R-W4A1, 125 x 25 x 32mm - 45°, (6 x 4mm Rim)	Carbide finishing wheel used on super-finishing attachment
300-006A9180	9A3	CBN, BCD-800N-50R-W6A3, 125 x 37 x 32mm (4 x 6mm Rims)	Micro-beveling and honing wheel for veneer knives, top and back beveling
320-006A20850	6A2	Diamond Hand Hone, D800-50 Con., 50 x 56 x 2mm	Fine hone for hand honing carbide or HSS super finished blades
470-0240I0105	-	Dressing Stick, WA 240-I V, 4" x 1" x 1/2"	White aluminum oxide dressing stick to clean and dress super abrasives

Carbide & Super-Finishing



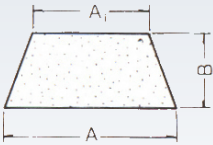
<div>SDC150-N75R6.0</div>						
Abrasive Type	Grit Size	Grade	Con	Bond	Rim Thickness	
D Natural Diamond	80	J	25	R Resin	1.0mm	
SD Synthetic Diamond	100	L	50	M Metal	1.5mm	
SDC Synthetic Metal Coated Dia.	120	N	75	P Electroplated	2.0mm	
B Cubic Boron Nitride (CBN)	150	P	100	V Vitrified	3.0mm	
BCD Metal Coated CBN	220	R	125		4.0mm	
	300		150		6.0mm	
	400				10.0mm	
	800					
	1200					

Resin Bonded Grinding Wheels

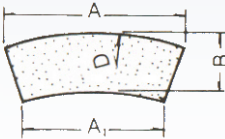
Most popular bond for knife grinding. Cuts cooler, applies to a broader range of application and yields an excellent surface finish. When sharpening machine knives it is important to cut cool so to avoid tempering the edge of the knife. Our resin bond is a proprietary blend that meets that task.



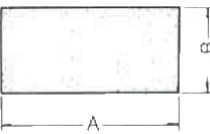
Type-SO



Type-SE



Type-SA



RESIN BOND - PAA ALUMINUM OXIDE	Package Qty	Price Break	Price Break
Type-2, 100 x 80 x 80mm	1	6	24
Type-2, 200 x 100 x 160mm	4	12	32
Type-52, 250 x 100 200mm (eight threaded inserts)	2	12	32
Type-SO, 70/64 x 25 x 150mm (segment)	25	200	1000

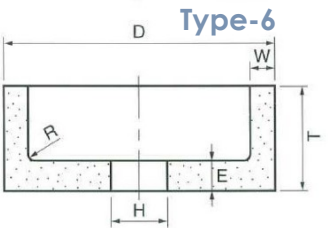
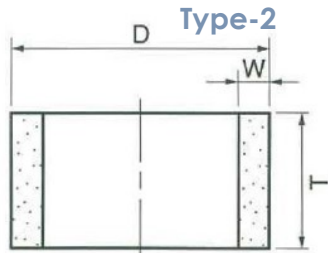
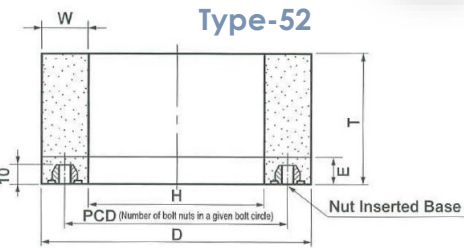
Economical Solutions

We stock 46 and 60 grit in a complete range of grades from E ~ K. This is our base product line that covers all knife grinding applications.



EPOXY BOND - POLISHING WHEELS	Package Qty	Price Break	Price Break
Type-2, 200 x 100 x 160mm	4	12	32
Type-52, 250 x 100 200mm (eight threaded inserts)	2	12	32

Ideal for critical finishing application for mild steels or inlaid paper cutting knives. Long tool life and superior surface finish.



We stock other grades and sizes for all types of knife and saw grinding machines. Please contact us with your requirements. Tel: 508-987-0121

5KG 54-E 12 V

Grain Type	Grit Size	Grade	Structure	Bond Type
WA White Aluminum Oxide	24	D	0 62%	B Resin
PA Pink Aluminum Oxide	30	E	1 60	V Vitrified
32W White and 32A blend	36	F	2 58	BX Epoxy
32P 32A and PA blend	46	G	3 56	BF Reinforced
GC Green Silicon Carbide	54	H	4 54	
C Black Silicon Carbide	60	I	5 52	
3KG 30% Blue Micro-Crystalline	80	J	6 50	
5KG 50% Blue Micro-Crystalline	100	K	7 48	
PAA PA and A Blend		L		