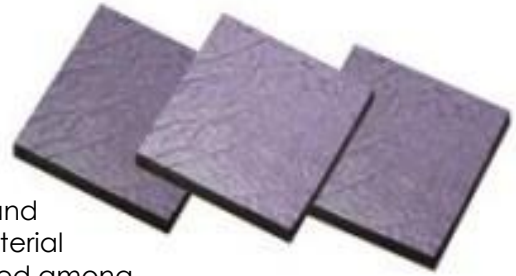


HIGHLY ORIENTED PYROLYTIC GRAPHITE (HOPG) FOR SPM APPLICATIONS

Such HOPG properties as atomic plane surface and good conductivity make it the best material for STM calibration and the excellent substrate for different samples. HOPG is a material that consists of many atomic layers of carbon highly oriented among each other. HOPG is manufactured at the temperature of 3273K and remains stable at the temperatures up to 2000°C in the inert environment. The parallelism of atomic layers is characterized by "mosaic spread angle". The less this angle the higher the quality of HOPG is.



SPECIFICATIONS

SKU	Quality	Size mm ³	Working Side	Top Working Layer Mosaic Spread	Thickness of working layer ³
GRAS/0.6-7MM	ZYA	7 x 7	Single	0.3-0.5 degree	0.6mm (0.4-0.7)
GRAS/1.0-7MM	ZYA	7 x 7	Single	0.3-0.5 degree	1.0 mm (0.8-1.8)
GRAS/DS/1.0-10MM	ZYA	10 x 10	Double	0.3-0.5 degree	1.0 mm (0.8-1.8)
GRAS/DS/1.5-10MM	ZYA	10 x 10	Double	0.3-0.5 degree	1.5mm
GRAS/DS/2.0-10MM	ZYA	10 x 10	Double	0.3-0.5 degree	2.0mm
GRBS/0.6-7MM	ZYB	7 x 7	Single	0.6-1.0 degree	0.6mm (0.4-0.7)
GRBS/1.0-10MM	ZYB	10 x 10	Single	0.6-1.0 degree	1.0 mm (0.8-1.8)
GRBS/1.0-7MM	ZYB	7 x 7	Single	0.6-1.0 degree	1.0 mm (0.8-1.8)
GRBS/1.5-10MM	ZYB	10 x 10	Single	0.6-1.0 degree	1.5mm
GRBS/2.0-10MM	ZYB	10 x 10	Single	0.6-1.0 degree	2.0mm
GRBS/DS/1.0-10MM	ZYB	10 x 10	Double	0.6-1.0 degree	1.0 mm (0.8-1.8)
GRBS/DS/1.5-10MM	ZYB	10 x 10	Double	0.6-1.0 degree	1.5mm
GRBS/DS/2.0-10MM	ZYB	10 x 10	Double	0.6-1.0 degree	2.0mm
GRDS/1.0-10MM	ZYD	10 x 10	Single	1.3-2.1 degree	1.0 mm (0.8-1.8)
GRDS/1.5-10MM	ZYD	10 x 10	Single	1.3-2.1 degree	1.5mm
GRDS/2.0-10MM	ZYD	10 x 10	Single	1.3-2.1 degree	2.0mm
GRDS/DS/1.0-10MM	ZYD	10 x 10	Double	1.3-2.1 degree	1.0 mm (0.8-1.8)
GRDS/DS/1.5-10MM	ZYD	10 x 10	Double	1.3-2.1 degree	1.5mm
GRDS/DS/2.0-10MM	ZYD	10 x 10	Double	1.3-2.1 degree	2.0mm
GRHS/0.6-7MM	ZYH	7 x 7	Single	2-5 degree	0.6mm (0.4-0.7)
GRHS/1.0-7MM	ZYH	10 x 10	Single	2-5 degree	1.0 mm (0.8-1.8)
GRHS/DS/1.0-10MM	ZYH	10 x 10	Double	2-5 degree	1.0 mm (0.8-1.8)
GRHS/DS/1.5-10MM	ZYH	10 x 10	Double	2-5 degree	1.5mm
GRHS/DS/2.0-10MM	ZYH	10 x 10	Double	2-5 degree	2.0mm

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