

SUPER PUNCHING

OKS 1895

Registered trademark

USA · Australia · Japan

PRODUCT INFORMATION



KOBE · AKASHI · SAKAI

Perforated metal & wire mesh since 1895

OKUTANI Ltd.



Featuring One-of-a-Kind Technology **SUPER PUNCHING™**

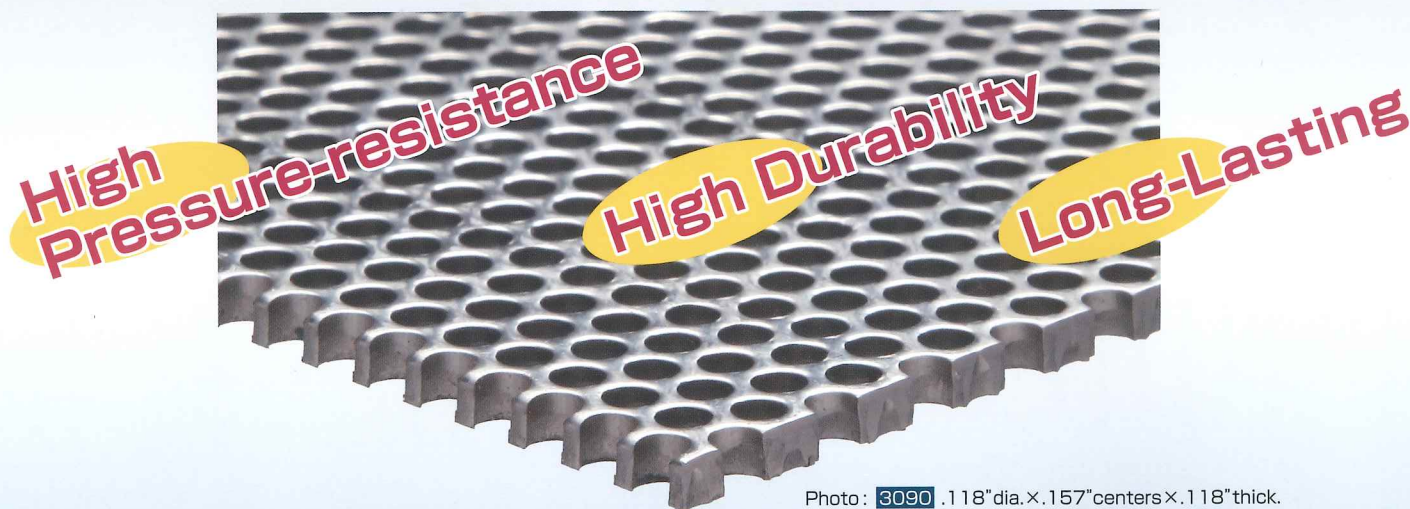


Photo: **3090** .118" dia. x .157" centers x .118" thick.
3.0φ x 4.0P x 3.0t (mm)

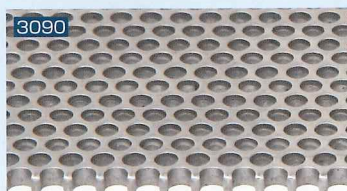
**Proven ability
to bore holes with diameters smaller
than the thickness of the metal sheet.**

About SUPER PUNCHING™

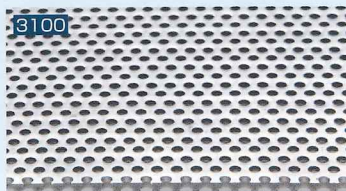
- Proven ability to bore holes with diameters **smaller than the thickness** of the metal sheet.
- Smaller pitch size than ever before!
Small pitch sizes punch pressed.
- **Strengthen the metal** by thickening the sheet and retaining the hole diameters.

Super Punched workpieces are for :

- Products that need high-pressure resistance, and high durability.
- Situations where standard punched metal workpieces can't be used.
- Nuclear plants, Crude-processing plants, Wastewater treatment plants.
- Aircrafts, Watercrafts, Trains.
- Granulators, Crushers.
- Trommels.



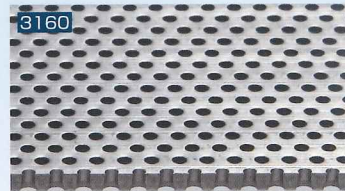
3090
.118" dia. x .157" centers x .118" thick.
3.0φ x 4.0P x 3.0t (mm)



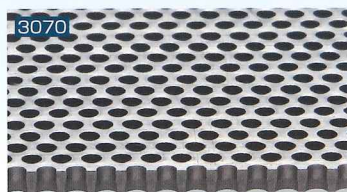
3100
.118" dia. x .196" centers x .157" thick.
3.0φ x 5.0P x 4.0t (mm)



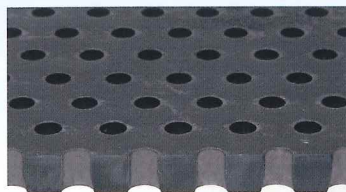
3090
.197" dia. x .315" centers x .236" thick.
5.0φ x 8.0P x 6.0t (mm)



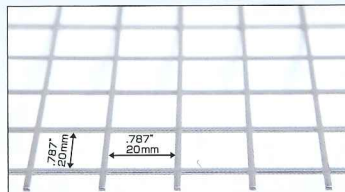
3160
.059" dia. x .118" centers x .098" thick.
1.5φ x 3.0P x 2.5t (mm)



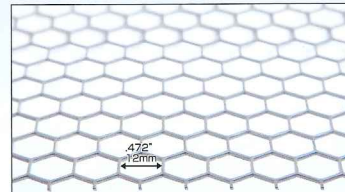
3070
.079" dia. x .118" centers x .118" thick.
2.0φ x 3.0P x 3.0t (mm)



.394" dia. x .787" centers x .630" thick.
10φ x 20P x 16t (mm)
(ASIM A36 EQUIV.)



.787" sq. x .866" centers x .059" thick. straight
20□ x 22P x 1.5t (mm)



.472" hexa. x .511" centers x .059" thick.
120 x 13P x 1.5t (mm)

Specifications of SUPER PUNCHING™ perforated metal

No.	Material			Finish	Thickness	Hole Dia.	Centers	Number of Holes per sq. inch	Open Area	Maximum Size	
	JIS	AISI (UNS)	EN							Width	Length
3010	SUS304J2		EN1.4567	2D	1.00mm	0.75mm	1.50mm	331.3	22.6%	500mm	1,000mm
3015	SUS304J2		EN1.4567	2D	1.00mm	0.75mm	2.00mm	186.8	12.8%	1,000mm	1,000mm
☆3020	SUS304J2		EN1.4567	2D	1.00mm	0.80mm	1.60mm	291.6	22.7%	500mm	1,000mm
3023	SUS304L	304L(S30403)	EN1.4307	2B	1.00mm	0.90mm	2.00mm	186.8	18.4%	1,000mm	1,000mm
☆3025	SUS304J2		EN1.4567	2D	1.20mm	1.00mm	2.00mm	186.8	22.8%	1,000mm	1,000mm
☆3028	SUS304J2		EN1.4567	2D	1.20mm	1.00mm	3.00mm	83.0	10.1%	1,000mm	2,000mm
☆3029	SUS304J2		EN1.4567	2D	1.50mm	1.00mm	2.00mm	186.8	22.8%	500mm	1,000mm
3030	SUS304J2		EN1.4567	2D	1.50mm	1.00mm	3.00mm	83.0	10.1%	500mm	1,000mm
3033	SUS304J2		EN1.4567	2D	1.50mm	1.00mm	2.50mm	119.5	14.6%	500mm	1,000mm
2033	SUS304	304(S30400)	EN1.4307	2B	1.50mm	2.00mm	3.00mm	83.0	40.3%	1,000mm	2,000mm
☆3173	SUS304	304(S30403)	EN1.4307	2B	1.50mm	5.00mm	6.00mm	20.7	63.2%	1,000mm	2,000mm
3040	SUS304J2		EN1.4567	2D	2.00mm	1.20mm	2.40mm	129.6	22.7%	500mm	1,000mm
☆3045	SUS304L	304L(S30403)	EN1.4307	2B	2.00mm	1.50mm	3.00mm	83.0	22.8%	1,000mm	1,000mm
☆3050	SUS304L	304L(S30403)	EN1.4307	2B	2.00mm	2.00mm	3.00mm	83.0	40.4%	1,000mm	1,000mm
1022	SUS304	304(S30400)	EN1.4307	2B	2.00mm	2.00mm	4.00mm	46.7	22.7%	1,000mm	2,000mm
2035	SUS304	304(S30400)	EN1.4307	2B	2.00mm	3.00mm	4.00mm	46.7	51.1%	1,000mm	2,000mm
3060	SUS304L	304L(S30403)	EN1.4307	2B	2.50mm	1.50mm	3.00mm	83.0	22.8%	1,000mm	2,000mm
3065	SUS304L	304L(S30403)	EN1.4307	2B	2.50mm	2.00mm	3.50mm	60.9	29.6%	1,000mm	2,000mm
3070	SUS304L	304L(S30403)	EN1.4307	2B	3.00mm	2.00mm	3.00mm	83.0	40.4%	1,000mm	1,000mm
3075	SUS304L	304L(S30403)	EN1.4307	2B	3.00mm	2.00mm	4.00mm	46.7	22.7%	1,000mm	1,000mm
3080	SUS304L	304L(S30403)	EN1.4307	2B	3.00mm	2.50mm	5.00mm	29.8	22.7%	1,000mm	2,000mm
☆3090	SUS304L	304L(S30403)	EN1.4307	2B	3.00mm	3.00mm	4.00mm	46.7	51.1%	1,000mm	1,000mm
3095	SUS304L	304L(S30403)	EN1.4307	2B	3.00mm	4.00mm	5.00mm	29.8	58.2%	1,000mm	2,000mm
☆3100	SUS304L	304L(S30403)	EN1.4307	2B	4.00mm	3.00mm	5.00mm	29.8	32.7%	1,000mm	2,000mm
3105	SUS304L	304L(S30403)	EN1.4307	2B	4.00mm	3.50mm	6.00mm	20.7	30.9%	1,000mm	2,000mm
3110	SUS304L	304L(S30403)	EN1.4307	2B	4.00mm	4.00mm	6.00mm	20.7	40.4%	1,000mm	2,000mm
3150	SUS304L	304L(S30403)	EN1.4307	2B	5.00mm	4.00mm	8.00mm	11.7	22.7%	1,000mm	2,000mm
3155	SUS304L	304L(S30403)	EN1.4307	2B	5.00mm	4.50mm	9.50mm	8.3	20.4%	1,000mm	1,000mm
☆3170	SUS304L	304L(S30403)	EN1.4307	2B	6.00mm	4.50mm	10.50mm	6.8	16.7%	1,000mm	1,000mm
☆3175	SUS304L	304L(S30403)	EN1.4307	2B	6.00mm	5.00mm	8.00mm	11.7	35.5%	1,000mm	1,000mm
3180	SUS304L	304L(S30403)	EN1.4307	2B	6.00mm	6.00mm	9.00mm	9.2	40.4%	1,000mm	1,000mm

All items are 60 deg. staggerd pattern and without margins in four sides (factory pre-cut)

PERFORATED PLASTICS

Distinctive Features

- Light weight (1/6~1/7 of metal)
- Rust Free
- Acid resistance, alkali resistance &/or oil resistance
- Electric non-conductance
- Transparency or variously colored
- Short lead time and low cost compared to drilling or injection

Material

- Polypropylene (PP), Polyethylene (PE), Polyethylene Terephthalate (PET), Polycarbonate (PC), Polyvinyl Chloride (PVC) and Carbon Fiber Reinforced Thermo Plastic (CFRTP)

Application

- Architectural facade, partition and protectors
- Filter, screen, covers in corrosive environment
- Weight saving / Energy saving

Thickness of material

- .031" (0.8mm) ~ .197" (5.0mm)

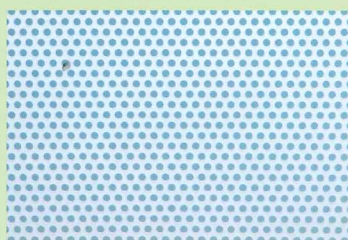
Plate size

- 19.7" (500mm) × 19.7" (500mm) × 39.4" (1,000mm) × 78.7" (2,000mm)
Varied depending on material and thickness

Translucent milky white PP or PE



.078" dia. × .315" centers × .118" thick.
2.0φ × 8.0P × 3.0t (mm), staggered



.197" dia. × .315" centers × .118" thick.
5.0φ × 8.0P × 3.0t (mm), staggered

Transparent, PET or PC

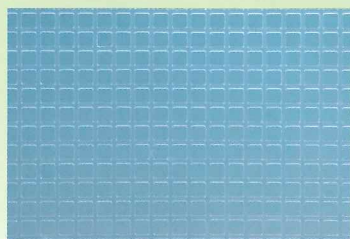


.078" dia. × .315" centers × .118" thick.
2.0φ × 8.0P × 3.0t (mm), staggered

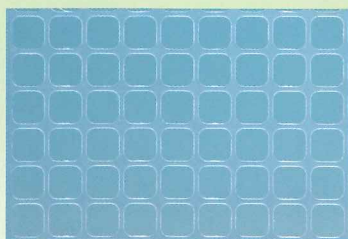


.197" dia. × .315" centers × .118" thick.
5.0φ × 8.0P × 3.0t (mm), staggered

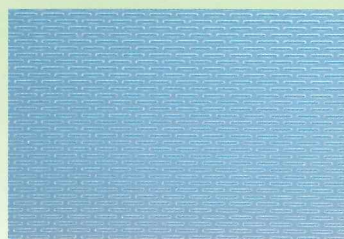
Square, diamond, slot, hexagonal, and apricot, Transparent, PVC



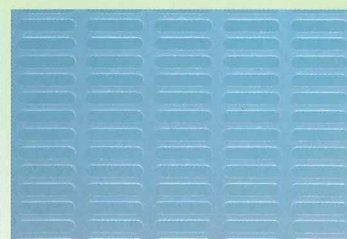
.393" sq. × .512" centers × .078" thick.
10□ × 13P × 2.0t (mm), straight



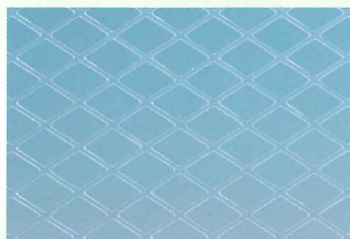
.787" sq. × .905" centers × .118" thick.
20□ × 23P × 3.0t (mm), straight



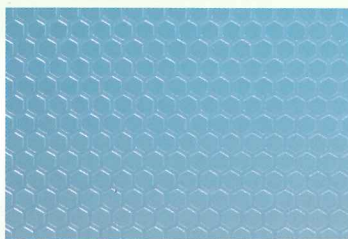
(.059" × .590") slot × (.197" × .315") centers × .118" thick.
(1.5 × 15) ⊞ × (5 × 23) P × 3.0t (mm), staggered



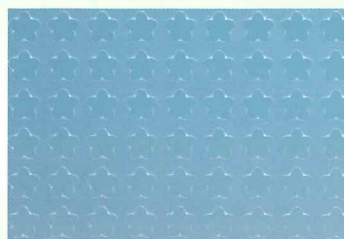
(.315" × 1.50") slot × (.472" × 1.77") centers × .118" thick.
(8 × 38) ⊞ × (12 × 45) P × 3.0t (mm), straight



(.984" × 1.52") diamond × .118" bar × .118" thick.
(25 × 38.5) diamond × 3bar × 3.0t (mm)



.472" hexa. × .590" centers × .118" thick.
12hexagonal × 15P × 3.0t (mm)

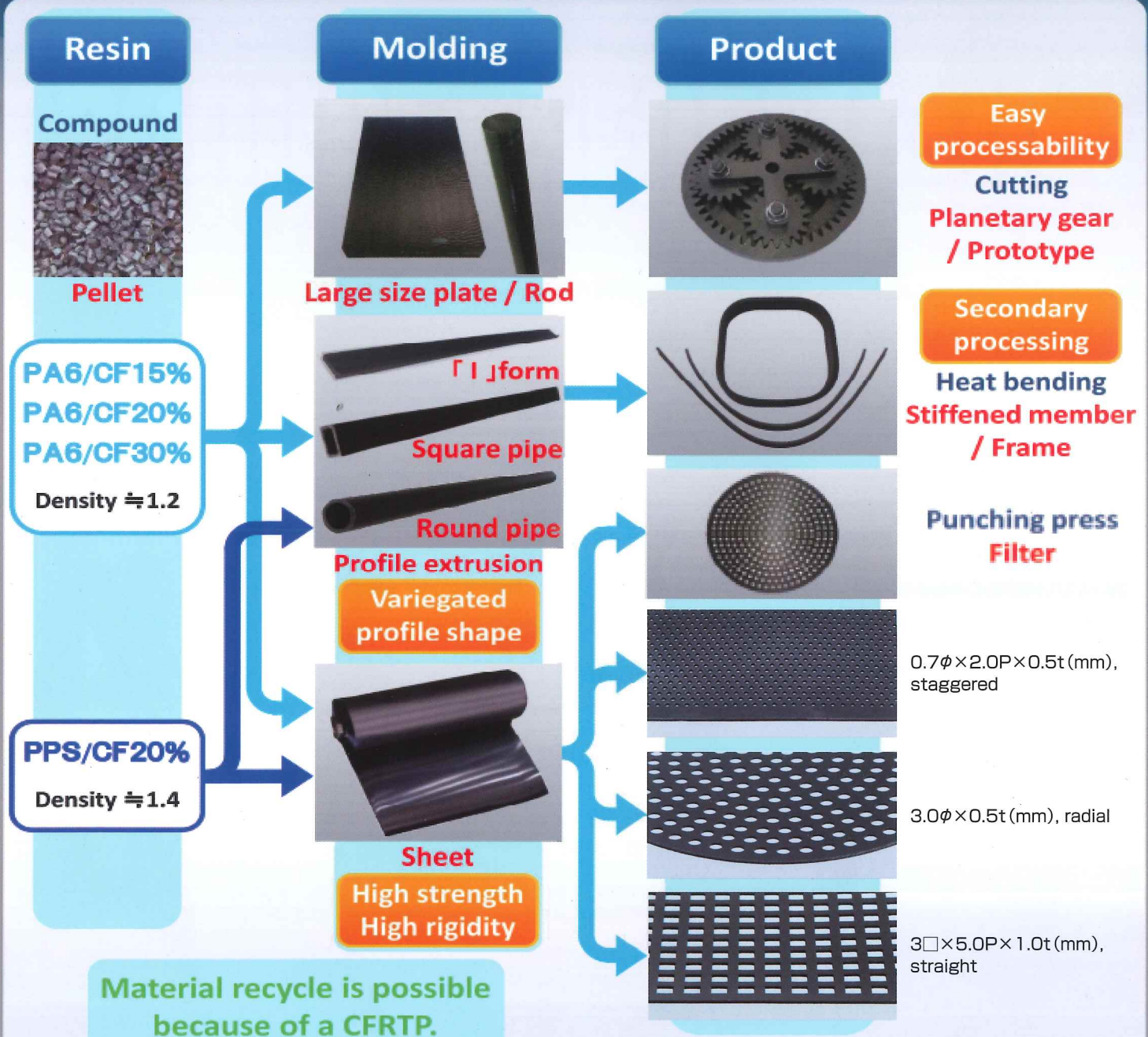


Apricot blossom on (3mm/.118") thick.



Nibbling .118"φ × .196" centers × .118" thick.
3.0φ × 5.0P × 3.0t (mm)

Thermoplastic CFRP and molding product



Toray Plastics Precision Co.,Ltd.
New Projects Development Division

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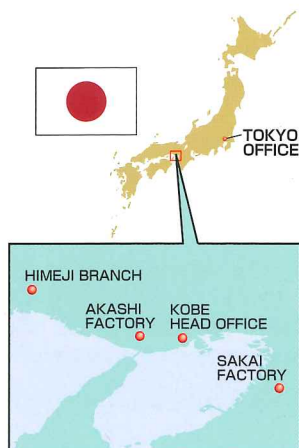
With over a hundred years of history



KOBE HEAD OFFICE / SHOWROOM



Over 1000 items are here



OKUTANI Ltd.

Perforated metal & wire mesh since 1895

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