

TECHNOPOROUS® Cleaning Materials

TECHNOPOROUS® IWX STICK

IWX STICK is the unprecedented new swab featuring continuous micro-porous heads made of polyolefin foam. (applied for patent)

Merits

- ① Rapid liquid absorption
— Stains are trapped instantly without being scattered.
- ② Excellent solvent resistance
— Polyolefin resistant to solvents is the base polymer.
- ③ Excellent cleanliness
— The heads are washed repeatedly with filtered pure water.
- ④ No self-generation of particles
— No fragmentation to particles in wiping process.
- ⑤ Repeated use of a handle
— The heads can be easily replaced.

Head

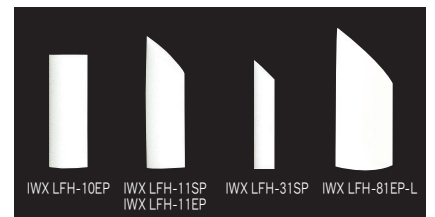
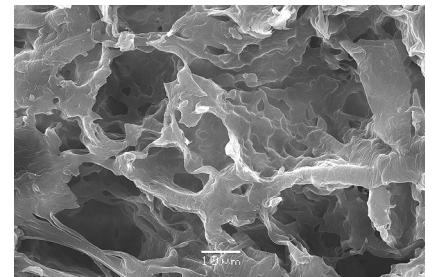
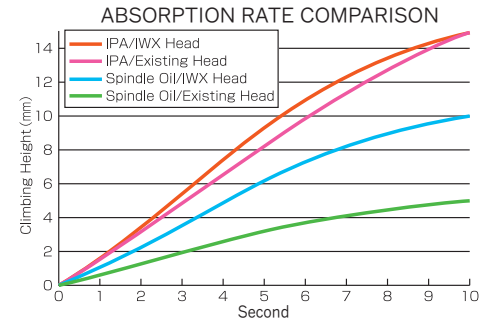
Two grades different in hardness are available.
SP---standard, EP---elastic (soft)

Product Item	Size (mm)	Outer bag	Box	Carton(M.O.Q)
IWX LFH-11SP	φ5 × 12.5 / 17.5	500 pcs × 2	5,000 pcs	20,000 pcs
IWX LFH-31SP	φ3 × 11.5 / 14.5	1,000 pcs × 2	16,000 pcs	64,000 pcs
IWX LFH-10EP	φ5 × 15	500 pcs × 2	5,000 pcs	20,000 pcs
IWX LFH-11EP	φ5 × 12.5 / 17.5	500 pcs × 2	5,000 pcs	20,000 pcs
IWX LFH-81EP-L	φ8 × 11 / 19	200 pcs × 2	2,000 pcs	8,000 pcs

Handle

Available in the combination with IWX Heads

TECHNOPOROUS Handle (PP) 100mm long 200pcsX2/bag 1,600pcs/box



TECHNOPOROUS® SHEET

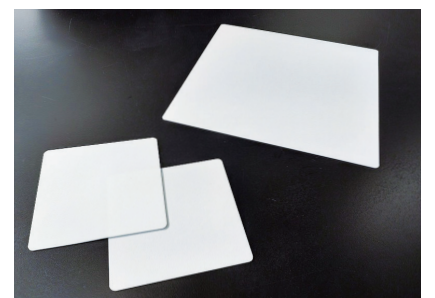
Continuous micro-porous polyurethane foam can be cut into sheets with any thickness, width and length to order and be supplied.

Product Item	306-W1	256-W1	505-W1	L26WF
Material	Polyurethane	Polyurethane	Polyurethane	Polyolefin
Average Pore Size (μm)	100	150	200	60
Apparent Density (g/cm³)	0.21	0.16	0.12	0.27
Tensile Strength (N/cm²)	142	50	25	82
Elongation (%)	300	250	250	590
Water Retention (%)	420	500	700	200
Hardness (Asker C)	20	5	N.D. (Not Determined)	23
Hardness (Asker F)	93	70	45	86
Features	High water absorption		Low extractables, Low hardness & High water retention	Acid and alkali resistance

Size Guide

	Polyurethane Sheet	Polyolefin Sheet
Maximum Size	250 × 600 mm (effective dimensions)	110 × 280 mm (effective dimensions)
Maximum Thickness	20-24 mm	10 mm
Minimum Thickness	1-2 mm	2 mm

※Please inquire separately regarding the feasibility of manufacturing specific sizes.



(※1) Water Retention Calculation Method

The sponge is immersed in water and repeatedly pressed with a glass rod until no air bubbles are released. Its weight is then measured. By subtracting the weight before immersion, the absorbed water amount is obtained, and dividing this value by the pre-immersion weight gives the water retention rate.

(※2) Hardness Measurement Conditions

Sponge thickness: 8 mm,
Measurement environment temperature: 25 °C