

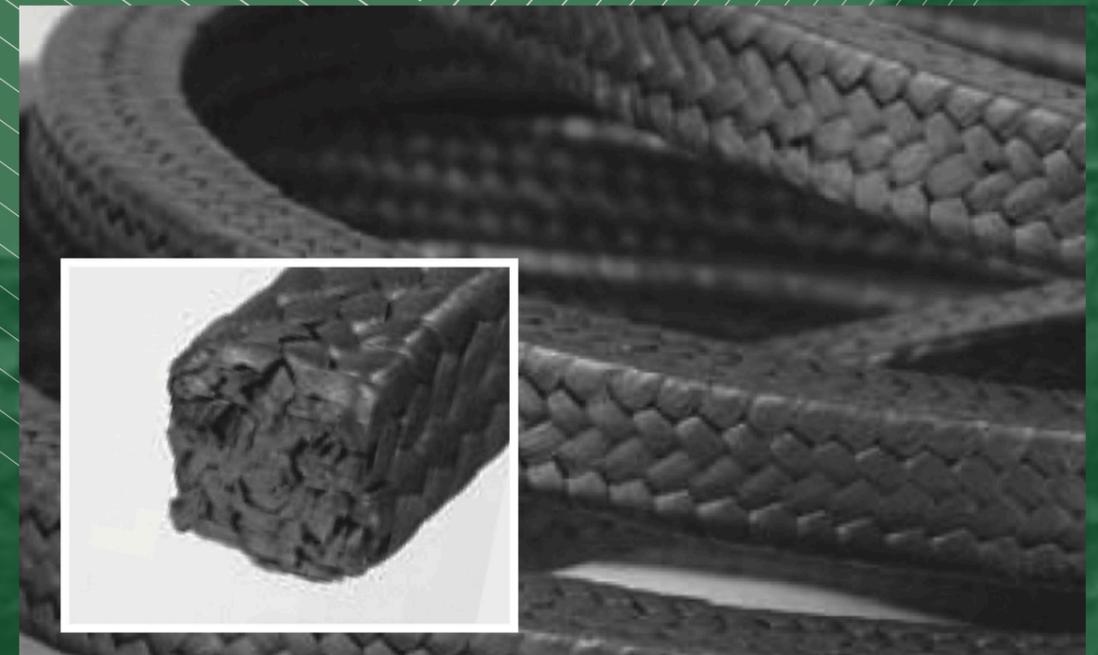
# Packing Brochure



**Improving Reliability.**  
**Developing Consistency.**  
**Creating Perfection.**  
**Delivering Quality.**

# Super Severe Slurry Packing

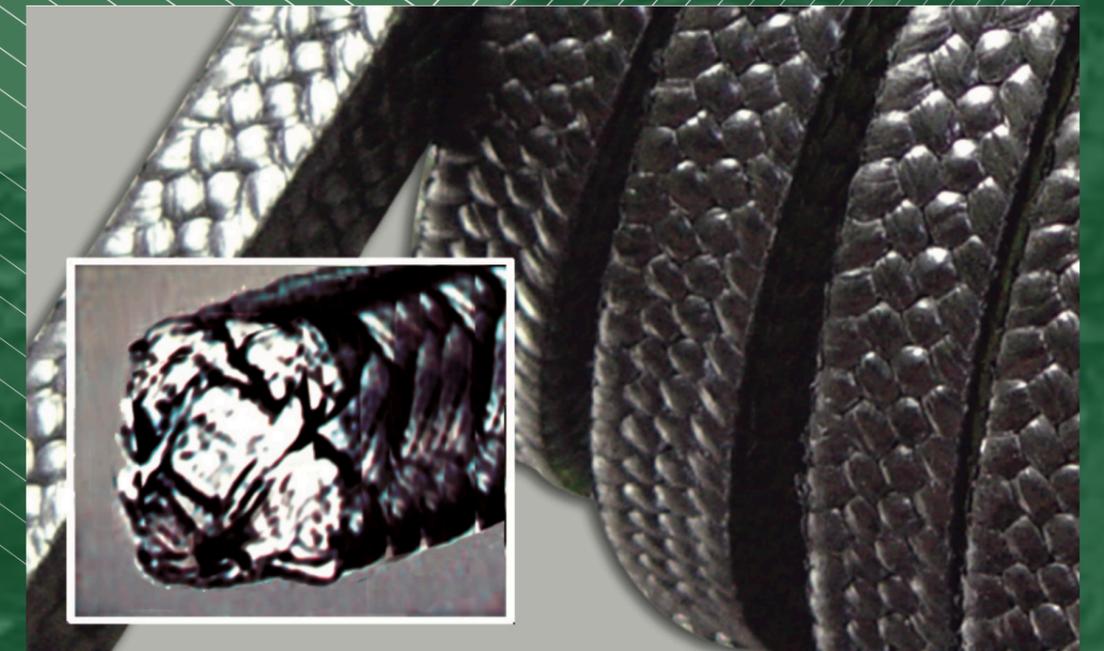
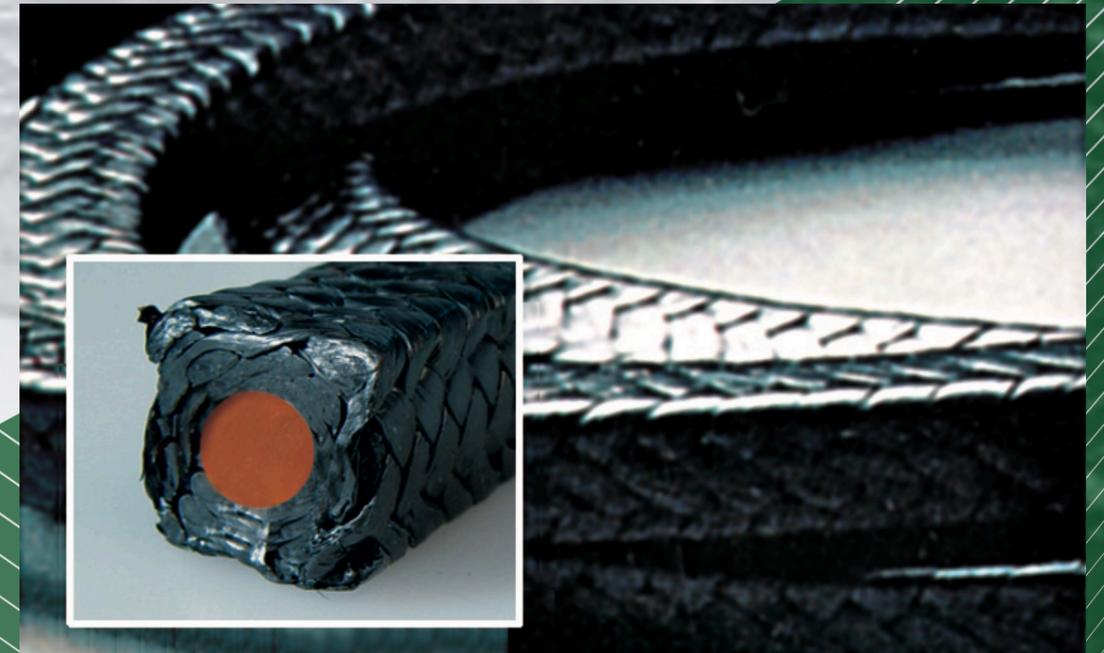
·AIGI SSSP is braided using a mix of high carbon content carbon fibers and PTFE yarn and then finish lubricated with high quality graphite. The high temperature resistance strength, self-lubricating properties of high carbon fiber combined with the flexibility, chemical resistance and stuffing box conformability of PTFE fibers makes SSSP the optimal choice for slurry applications in industries such as mining, pulp and paper, metals processing and power



Properties	Value
Colour	Black/Grey
Temperature	260°C (500 F)
PH Range	PH 0-13
Max. Liner speed	18 m/s (3600 Ft/ min)
Pressure	28 Kg/cm2 (400 PSI / 28 Bar)

# AIGI16(Graphite PTFE)

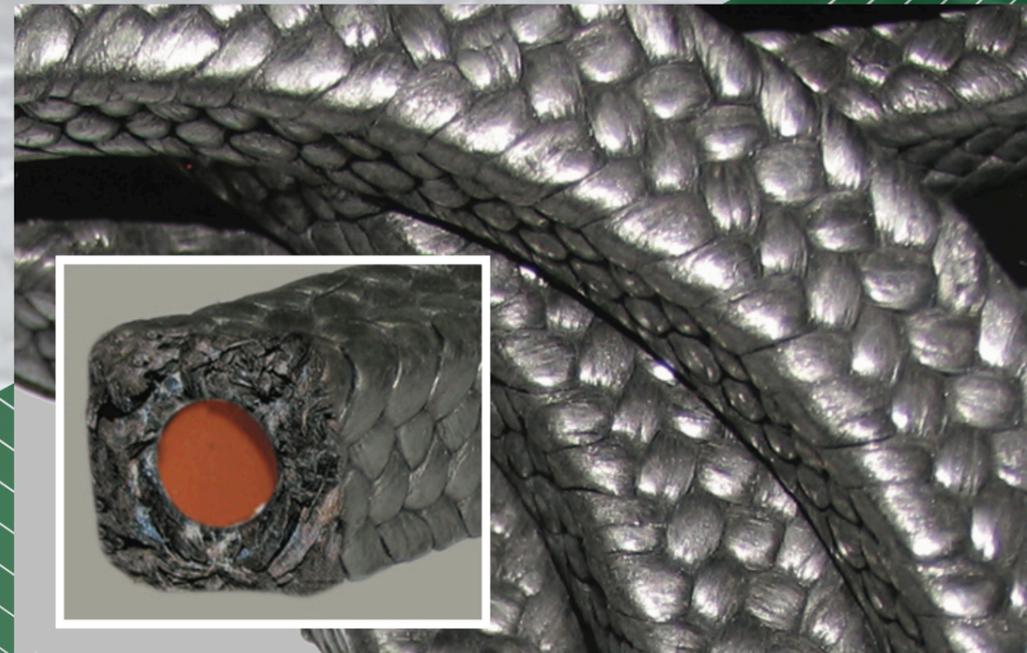
AIGI 16 is braided from PTFE yarn and then coated with high purity graphite , AIGI 16 is a dense braid which ensures excellent leakage control, less lubricant migration, less frictional heat build up and excellent heat dissipation for longer life. As a low-friction packing, AIGI 16 is used widely in general service pump applications, specially for ammonia pump , plunger and reciprocating pump.



Properties	Value
Colour	Grey Black
Temperature	280°C
PH Range	PH 0-14
Max. Liner speed	18 m/s (3600 Ft/ min)
Pressure	28 Kg/cm2 (400 PSI / 28 Bar)

# AIGI 22 Power Station Packing

AIGI 22 is made from a high strength, high purity carbon fiber with only minor quantities of braiding sizings added giving the finished packing great temperature and pressure resistance. It is designed for use in high temperature valves and pumps against steam, hot water, solvents, acids and alkalies especially in Power Stations



## Properties

Colour

Value

Black

Temperature

570°C

PH Range

PH 0-14

Max. Liner speed

15m/s (2500 Ft/min)

Pressure

250kg/cm<sup>2</sup> (3625 PSI)

# **AIGI 27W(Synthetic Fiber Packing)**

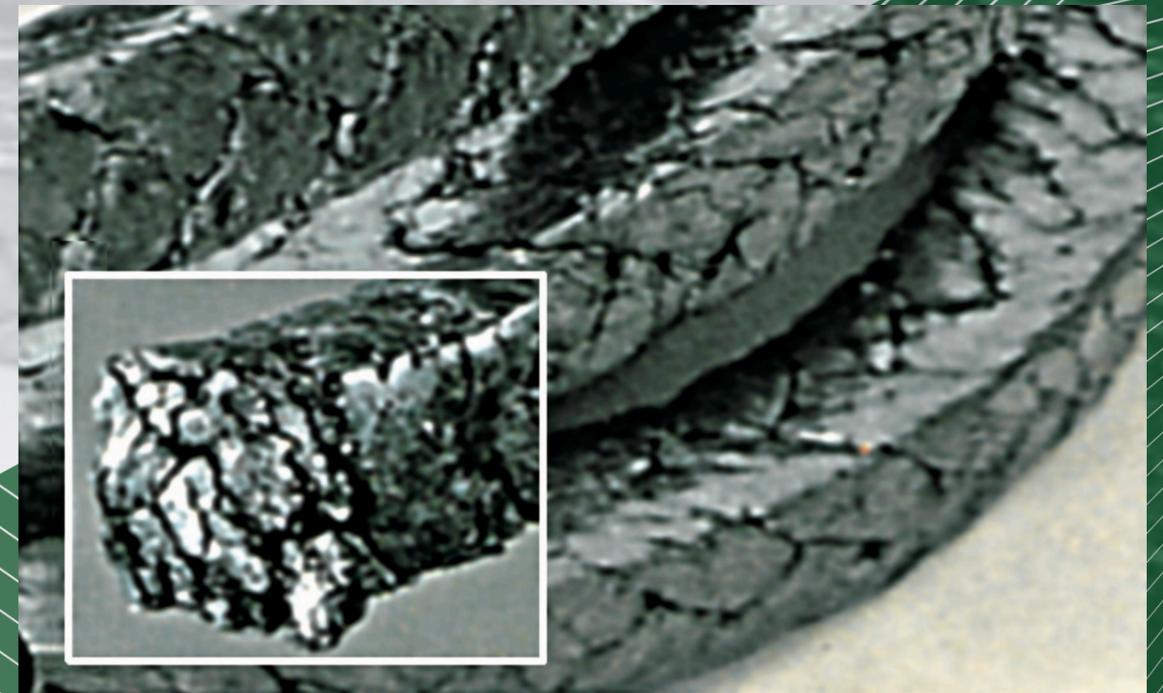
**AIGI 27W are lubricated Synthetic Fiber Packings for general service pump applications. AIGI 27W is lubricated with special lubricants to produce a clean, white non-staining packing. AIGI 27W are general service pump packings for use in mining, wastewater and sewage plants, municipal water plants, paper mills and marine applications as well as in mild acid and alkali applications and slurries.**



<b>Properties</b>	<b>Value</b>
<b>Colour</b>	<b>White</b>
<b>Temperature</b>	<b>150°C</b>
<b>PH Range</b>	<b>PH 4-12</b>
<b>Max. Liner speed</b>	<b>12m/s (2500 Ft/min)</b>
<b>Pressure</b>	<b>80kg/cm2 (1160 PSI)</b>

# AIGI 28 Power Station Packing

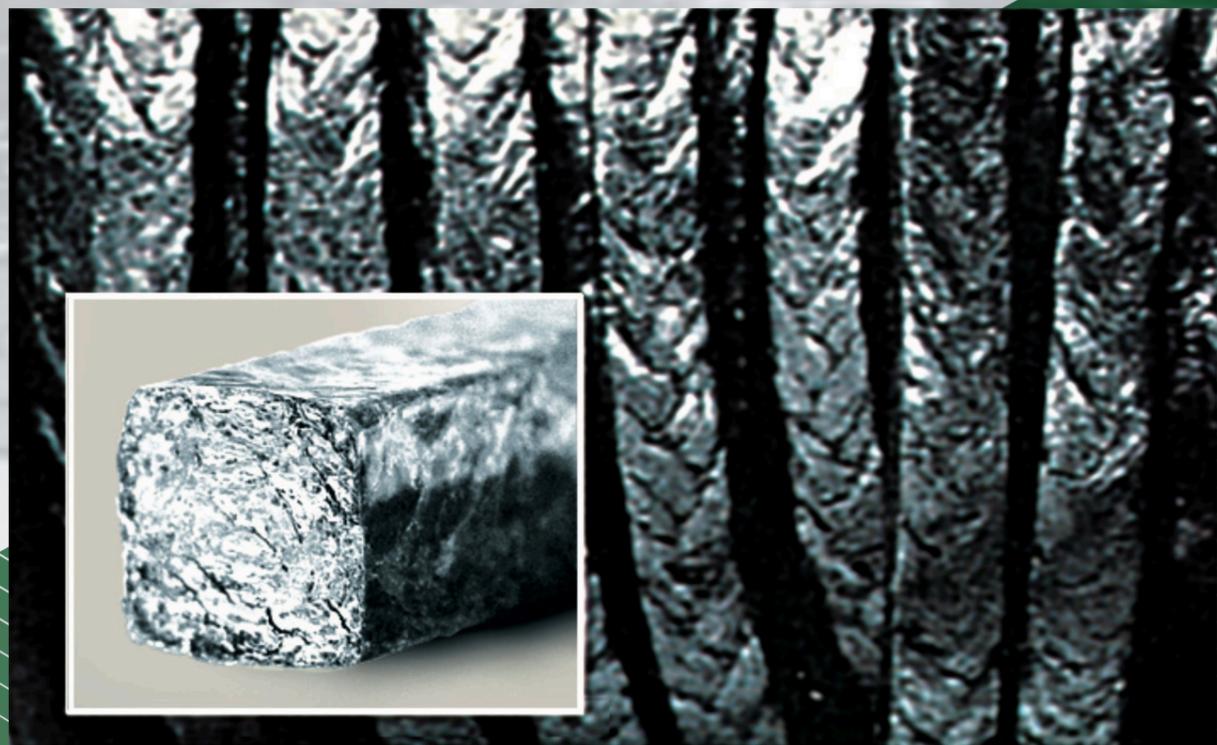
AIGI 28 is an interbraid Packing using high quality carbon fiber reinforced flexible graphite tape. The extreme temperature resistance, self-lubricated capability and high heat dissipation make AIGI 28 an excellent choice for high temperature and high speed equipment. The tremendous seal-ability and strength of the reinforced flexible graphite also make it an excellent choice for valves in



Properties	Value
Colour	Black
Temperature	1000°C (over 650°C please get technical advise)
PH Range	PH 0-14
Max. Liner speed	13m/s (2500 Ft/min)

# **AIGI 29 Power Station Packing**

**AIGI 29 is a tight, densely inter-braided graphite Packing where each flexible graphite yarn is reinforced with a nickel wire mesh that improves strength and blowout and extrusion resistance. The dense construction, blowout and extrusion resistance and general stuffing box conformity of the flexible graphite make AIGI 29 th optimum packing for sealing high temperature and high pressure steam as well as a wide range of chemicals.**



<b>Properties</b>	<b>Value</b>
<b>Colour</b>	<b>Black/Grey</b>
<b>Temperature</b>	<b>260°C (500 F)</b>
<b>PH Range</b>	<b>PH 0-13</b>
<b>Max. Liner speed</b>	<b>18 m/s (3600 Ft/ min)</b>
<b>Pressure</b>	<b>28 Kg/cm2 (400 PSI / 28 Bar)</b>



# AIGI 30 FDA Packing

AIGI 30 FDA Packing is braided from FDA compliant PTFE filament yarn which has been lubricated with a Food Grade lubricant to provide outstanding sealing capability in a wide range of food industry applications. Its dense interbraid construction prevents wicking through the packing while providing resiliency and responsiveness to gland adjustments. It is applicable for use in pumps, agitators, mixers, rotary valves and other rotary and reciprocating equipment

## Properties

Colour

Value

White

Temperature

260°C (500 F)

PH Range

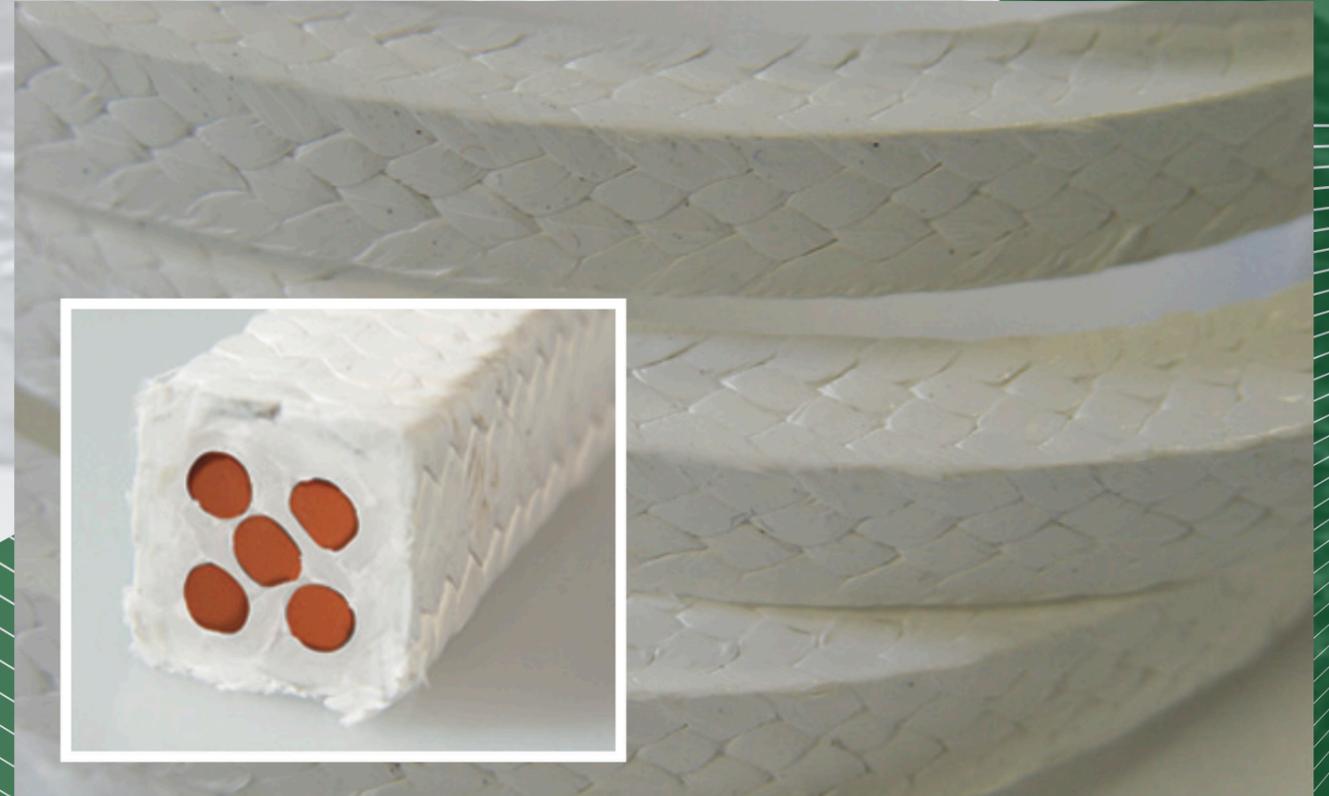
PH 0-14

Max. Liner speed

18 m/s (3600 Ft/ min)

Pressure

28 Kg/cm<sup>2</sup> (400 PSI / 28 Bar)



# AIGI HIGH QUALITY PACKINGS



# SAFE-CUT™ PACKING

S Y S T E M



**Carry**



**Measure**



**Cut**

**Valve Packing & Pump Packing**

**Improving Reliability.**  
**Developing Consistency.**  
**Creating Perfection.**  
**Delivering Quality.**

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**AIGI HIGH QUALITY  
PACKINGS**