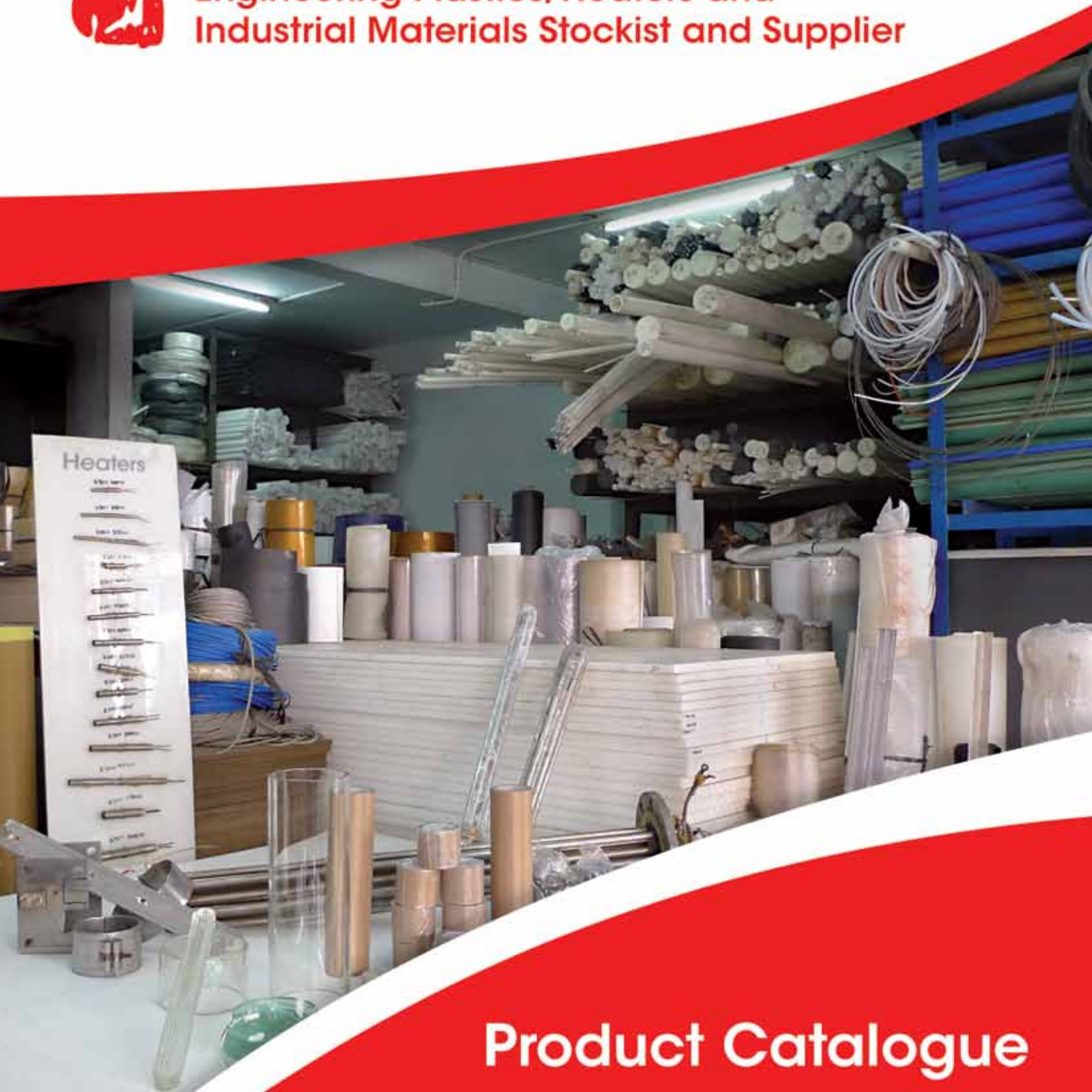




Sumber Jaya

Engineering Plastics, Heaters and
Industrial Materials Stockist and Supplier



Product Catalogue

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Engineering Plastics

For over 20 years, Sumber Jaya has been supplying engineering plastics materials to clients in various industries. With such experience, we offer a comprehensive product range to fulfill the needs of every clients.

PTFE (Teflon)

Type: Virgin, Carbon, Bronze, Glass
Colour: White, Black, Brown
Shape: Sheet, Rod, Hollow, Tubing, Strip

UHMW-PE (Polyethylene)

Type: PE1000 Virgin
Colour: Natural, Green, Black
Shape: Sheet, Rod, Strip

HMW-PE (Polyethylene)

Type: PE500 Virgin
Colour: Natural, Green, Black
Shape: Sheet

HDPE (Polyethylene)

Type: PE300 Virgin
Colour: Natural
Shape: Sheet, Rod

PC (Polycarbonate)

Colour: Clear
Shape: Sheet, Rod





POM (Polyacetal)

Colour: Natural, Black

Shape: Sheet, Rod

PP (Polypropylene)

Colour: Natural, White

Shape: Sheet, Rod

PVC (Polyvinyl Chloride)

Colour: Grey, Clear

Shape: Sheet, Rod

PA6 (Polyamide)

Type: Nylon, Cast Nylon (MC)

Colour: Natural, Yellow, Blue, Black

Shape: Sheet, Rod, Tubing, Hollow

PU (Polyurethane)

Colour: Yellow

Shape: Sheet, Rod

Welding Rods

Available in the following materials:

- Polyethylene (PE)
- Polypropylene (PP)
- Polyvinyl Chloride (PVC)
- PTFE (Teflon)

Heaters

We also specializes in supplying heaters and thermocouple products. Our product ranges are available in both **imported originals** and **customised forms**, designed to meet every single clients' specific needs.

Heater Types:

- Cartridge
- Tubular
- Strip
- Fin
- Custom-made orders available for all types

Thermocouple Types:

- Type K
- Type CA
- Type PT
- Type R
- Type S
- Custom-made orders available for all types



Industrial Materials



Acting as a one-stop-shop for our clients, we also offer extensive types of industrial materials.

Novotex

Colour: Brown
Shape: Sheet, Rod

Pertinax

Colour: Brown
Shape: Sheet



Epoxy Glass (G10)

Colour: Light Brown
Shape: Sheet, Rod

Silicone

Colour: Natural, Red
Shape: Sheet, Tubing, Cord

Acrylic

Colour: Clear
Shape: Sheet, Rod



Fiberglass

Colour: White, Brown
Shape: Cloth, Tape

Rubber

Type: Natural, Neoprene, EPDM, Diaphragm
Colour: White, Black
Shape: Sheet

Industrial Materials

PTFE Expanded Joint Sealant

Colour: White
Shape: Sheet, Strip

PVC Curtain

Colour: Clear, Yellow
Shape: Strip, Roll

Asbestos Packing

Shape: Cloth, Sheet, Rope, Tape, Square

Available in various sizes and types

Heat-resistant Isolant

Material: PTFE, Fiberglass

Shape: Tape, Cloth

Available in various sizes

Sight Glass

Shape: Tubing, Circular, Bar

Available in various sizes and types

Klingerit Packing

Available in various sizes and types

Gland Packing

Available in various sizes and types

Brake Linings (Kanvas Rem)

Available in various sizes

Vilt-wool

Available in various sizes

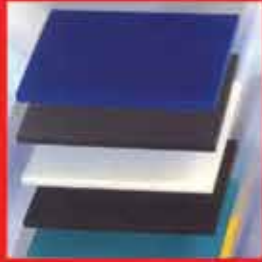


Engineering Plastics Properties

Description	Unit	PTFE	PE	PC	POM	PP	PVC	PA6
Mechanical Properties								
Density	g/cm ³	2.18	0.97	1.2	1.41	1	1.4	1.17
Coefficient of Friction	-	0.05	0.2	0.31	0.32	0.25	-	0.36
Tensile Strength	MPa	33.4	22.1	40	60	33	55	76
Elongation at break	%	500	400	110	35	148	33	30
Ball Indentation Hardness	N/mm ²	30	38	80	140	75	75	165
Notched Charpy Impact Strength	J/cm	1.55	2.79	1.44	0.53	1.26	5.29 (izod)	1.95
Modulus of Elasticity	N/mm ²	700	700	2300	3200	1450	3000	3100
Thermal Properties								
Max. Continuous Operating Temp.	°C	260	80	125	110	90	60	100
Linear Expansion Factor @23°C	K ⁻¹	1x10 ⁻⁴	1.7x 10 ⁻⁴	0.7x10 ⁻⁴	1x10 ⁻⁴	1.5x10 ⁻⁴	0.8x10 ⁻⁴	0.8x10 ⁻⁴
Thermal Conductivity @23°C	W/(m *K)	0.21	0.4	0.19	0.31	0.22	0.14	0.23
Electrical Properties								
Volume Resistance	Ohm. cm	>10 ¹⁸	>10 ¹⁵	>10 ¹⁷	> 10 ¹⁵	>10 ¹⁶	> 10 ¹⁵	> 10 ¹⁵
Surface Resistance	Ohm	>10 ¹⁴	>10 ¹⁴	> 10 ¹⁵	> 10 ¹³	>10 ¹³	> 10 ¹³	> 10 ¹³
Dielectric Strength	Kv/mm	11	45	27	55	127	20	26.4

Note: These properties are represented as "Typical". Information contained herein is presented in the best of our knowledge. It is offered for comparison purposes only, and is not to be regarded as a representation or warranty expressed or implied.

Image Gallery



If there are any requirements for other industrial products not listed in this catalogue, please don't hesitate to contact us. We might have just the perfect solution for you.