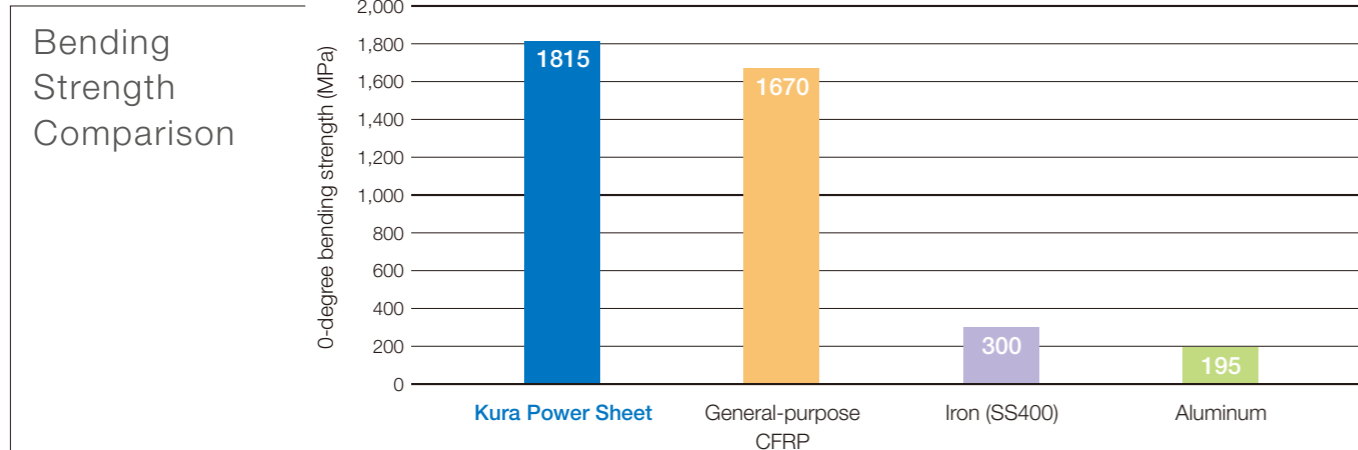


Kura Power Sheet

Material Specifications	Width	~ 500mm
	FAW	50g/m ² ~ (Thickness: From 50μm)
	Winding amount	Consult separately.
	Fiber	Standard-modulus / medium-modulus / high-modulus carbon fiber, aramid fiber
	Thermoplastic resin	General-purpose plastics, engineering plastics, super engineering plastics, etc.

Basic Performance Comparison	Features	Kura Power Sheet	Thermoplastic prepreg	Thermosetting prepreg
	Shapeability	◎	△	○
	Recyclability	◎	◎	△
	Mass producibility	◎	◎	△
	Molded product cost	◎	○	△

*Kurabo's own research results



Kura Power Sheet Specifications

Matrix resin	FAW	Vf	Fiber orientation	Number of laminations
PPS	80g/m ²	55%	All 0°	15-ply

*The above data are measured values, not guaranteed values.

Product introduction by video! ▶▶▶▶▶

<https://www.youtube.com/watch?v=0wfcLbSIIlw>



Contact



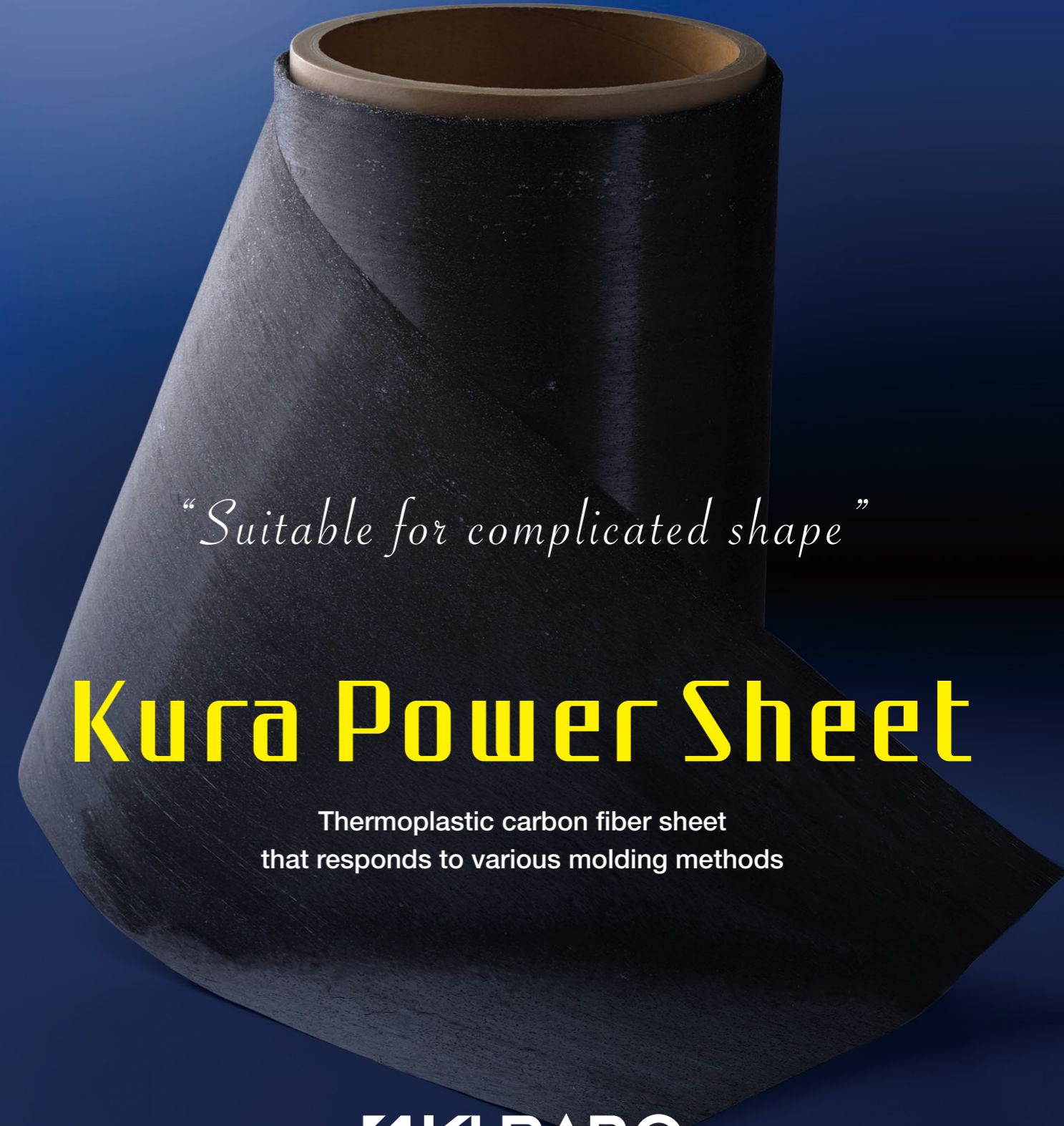
Research & Development Group
Chemical Products technical administration dept.

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“Suitable for complicated shape”

Kura Power Sheet

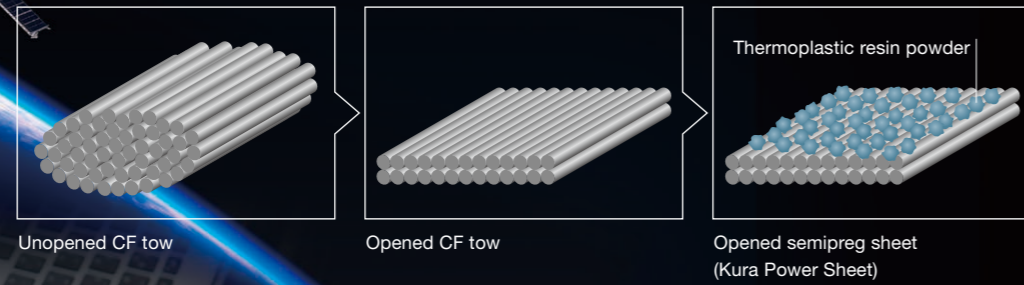
Thermoplastic carbon fiber sheet
that responds to various molding methods



Contributes to reductions in molding costs because the base material is soft and responsive to various molding methods!

Kura Power Sheet is an intermediate base material (semipreg sheet) just before resin impregnation. This highly flexible material can be directly molded with molding and heat fusion performed simultaneously. Therefore, Kura Power Sheet does not require preheating and compressing (consolidation) processes, which are required for general thermoplastic prepregs before molding, so that molding costs can be significantly reduced.

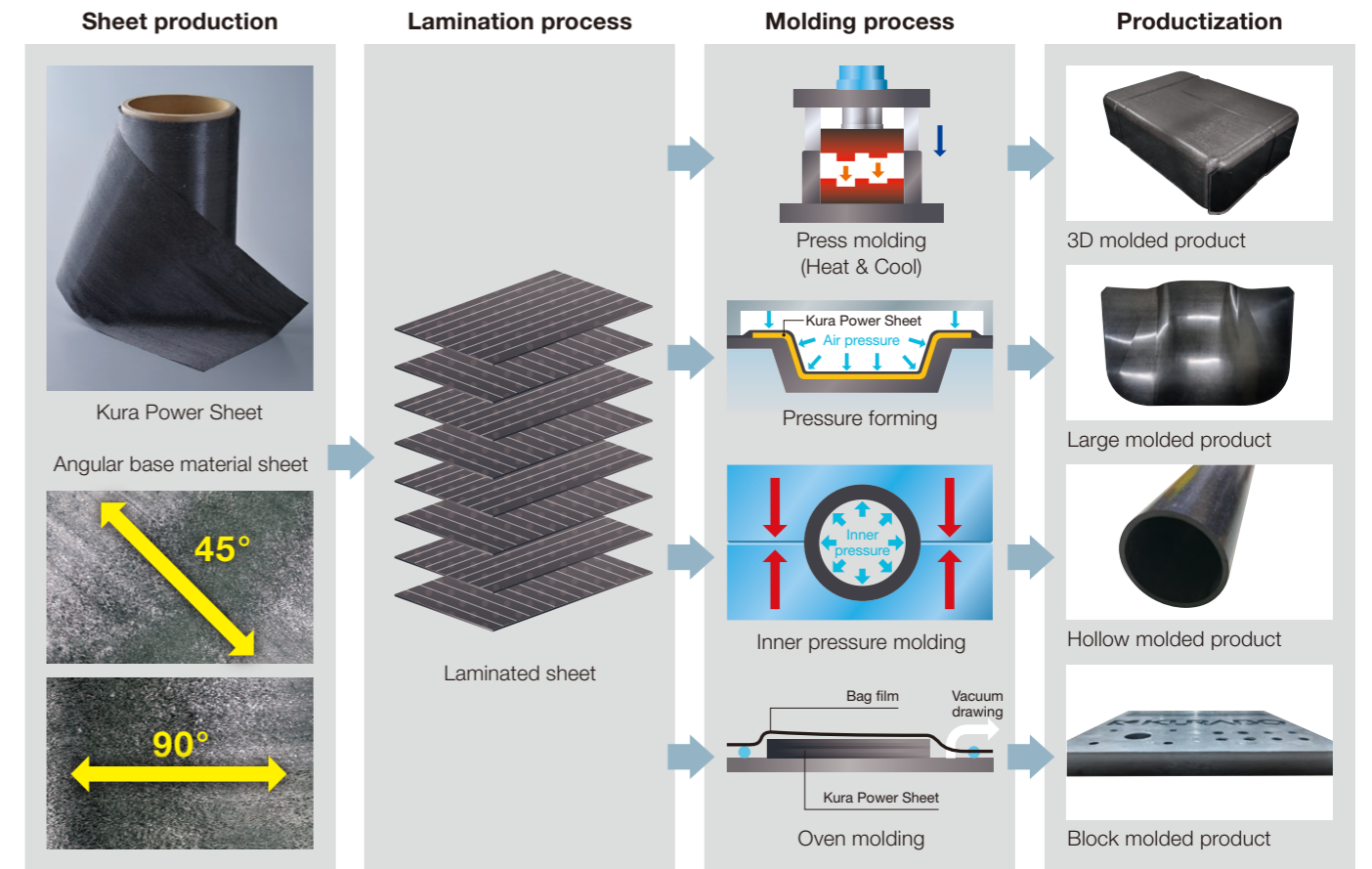
Opening of semipreg sheet



Features of Kura Power Sheet

Capable of realizing production by various molding methods

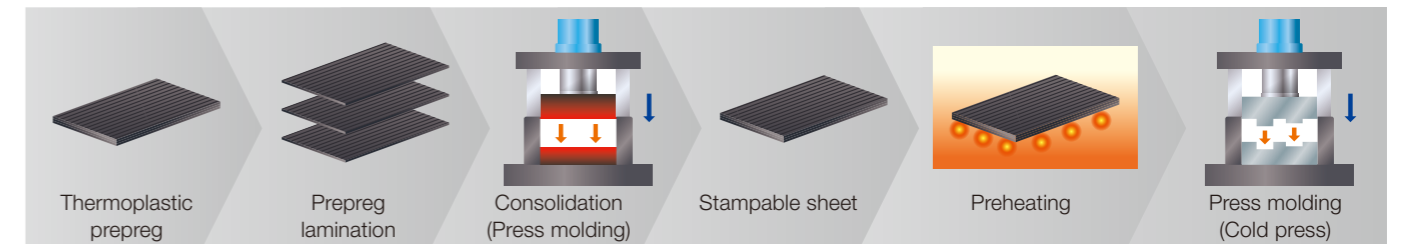
Taking advantage of characteristics that the sheet is soft and can be molded at low pressure, various types of molding, including complex molded products, large molded products, and hollow molded products, can be performed without need for large-scale capital investments. It can also be applied to not only press molding but also oven molding, pultrusion molding, etc.



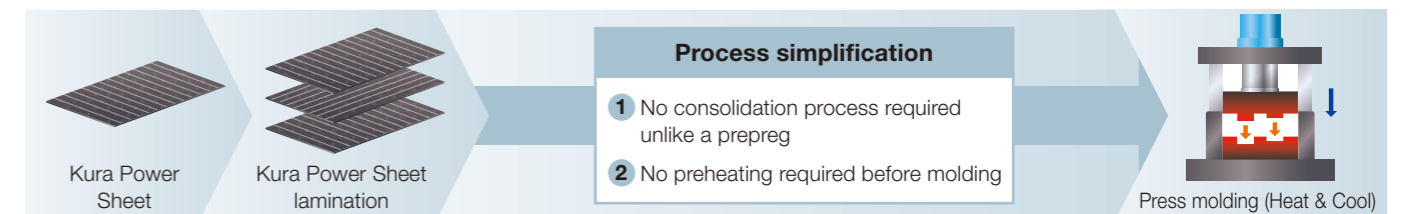
Contributes to reductions in molding costs

Kura Power Sheet contributes to reductions in molding process costs because it does not require consolidation and preheating processes, which are required for general thermoplastic prepreg molding processes. Also, because the heat & cool cycle is fast, it can be applied to production of parts exceeding 100,000 pieces/year.

Thermoplastic prepreg molding process



Kura Power Sheet molding process



Examples of Kura Power Sheet molding

