

# A1 相当サイズ

## Advanced Composites Materials (ACM)

**ACM shall create future new huge industry as ultra lightweight substitutes material for metal material**

### Ultra lightweight, high intensity, multi-directional strength

Advanced composites material has a specific gravity one - fifth as small as steel with a high tensile strength and high tensile elasticity equal to steel. By knitting for multi-directional and orientation, strength for both one direction and for multi-directions are made possible. Compared to metal, our lightweight material is easy to handle.

### Corrosion resistive

As it does not rust like steel nor rot like wood, it is suitable for use outdoors and for sewage arrangements.

### Recyclability

As a workable resin with thermosetting properties, advanced composites material has an environmentally friendly advantage with the potential to satisfy social and environmental concerns such as environmental conservation and the responsible and effective use of resources.

### Safety

Being highly shock-absorbent, it excels in safety.

### Application

Automobile body bumpers  
Ship and vessel bodies  
Aircraft components Pipes  
Water storage tanks and feed tanks  
Guardrails  
Medical equipment  
(wheelchairs, etc.)  
Bridges  
Electric home appliances  
(ex., vacuums)  
Office automation equipment

