

(Membrane Textiles)

()

1.

가 (CFRP)
가 . CFRP
가 ,
.
가
PBO(poly-p-phenylene benzobisoxazole)
.
KURARAY VECTRAN,
TOYOBO ZYLON (membrane) 가
.

2.

.
가 .
.
,
,
.

2.1 (platform)

· , , 20km
“ ”
36,000 km 가
가 ,
가 가

가 , 가
가



< 1>

VECTRAN, ZYLON 가
(gas barrier) ,
 ,

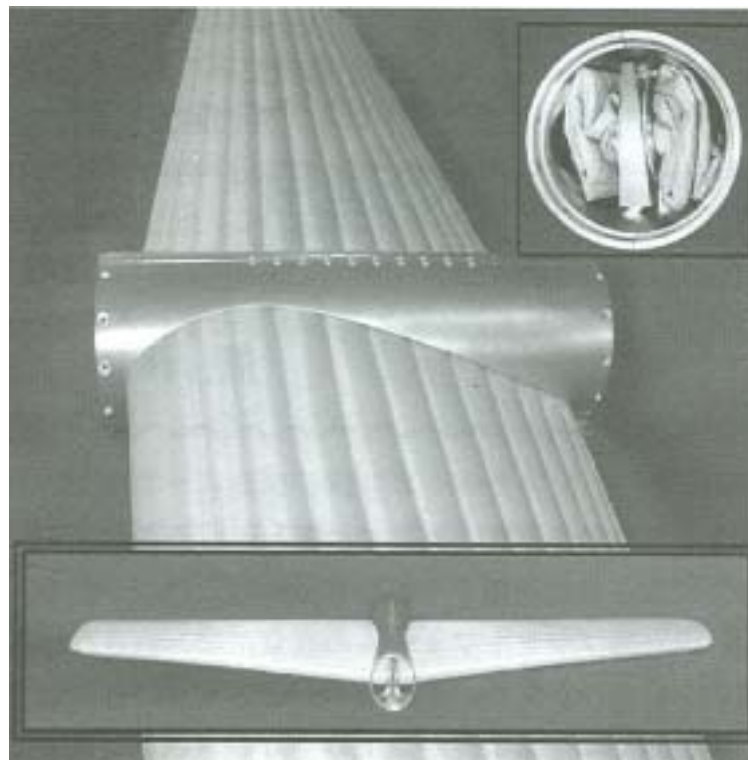
47m, 500kg < 1>

, 16.4km .

,

.

2.2 (Inflatable)



< 2> ()

(UAV) , , .

,

가 . ,

가 가 .

가

< 2>

ZYLON,

VECTRAN KEVLAR

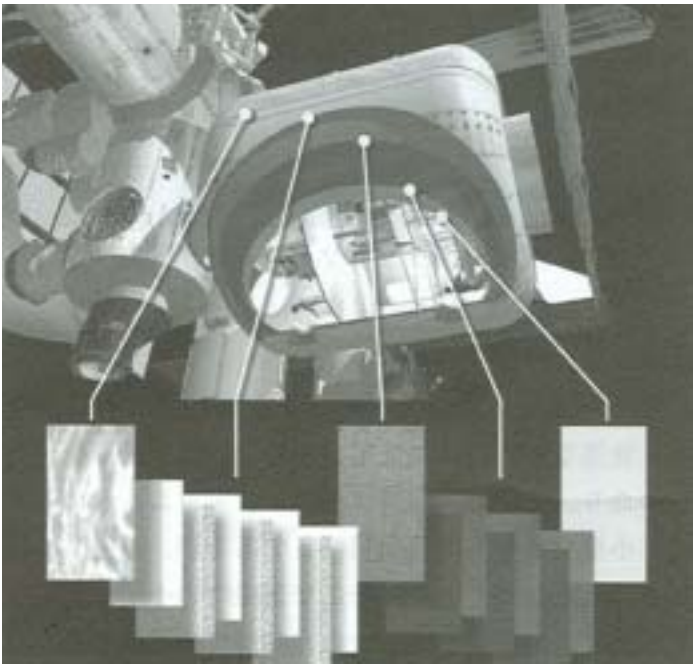
(蛇面)

2.3 (module)

(paddle)

가

가



< 3>

TransHab



< 4> TransHab

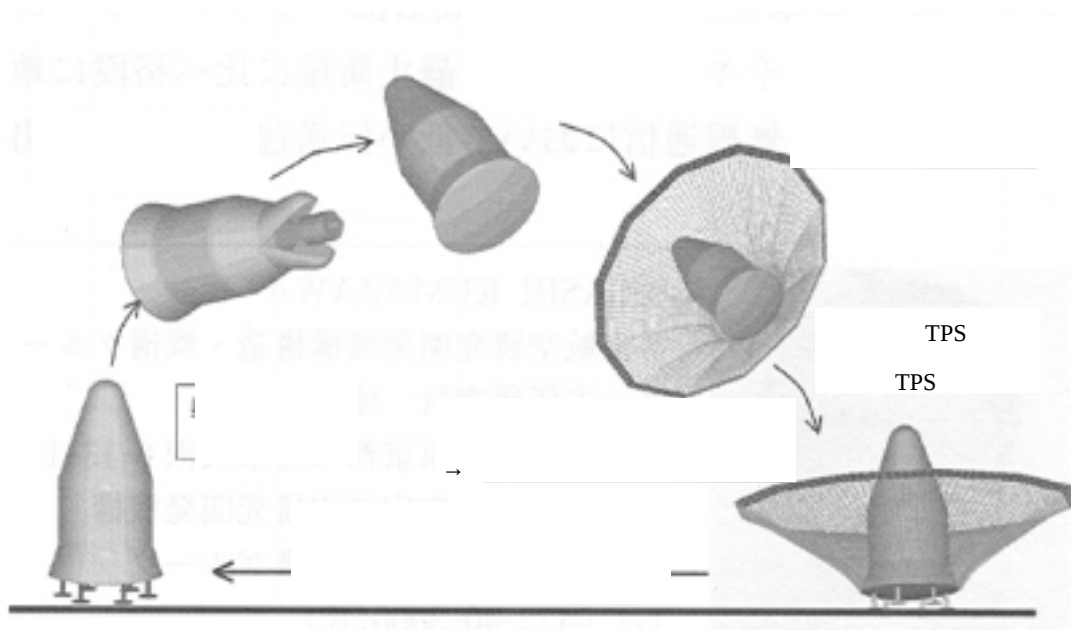
TransHab

(ISS) < 3>

TransHab < 4>

가 , , (

) , TransHab



< 5>

2.4

(Aero shell)

, 가

. < 5>

가

가

ZYLON

. < 6>

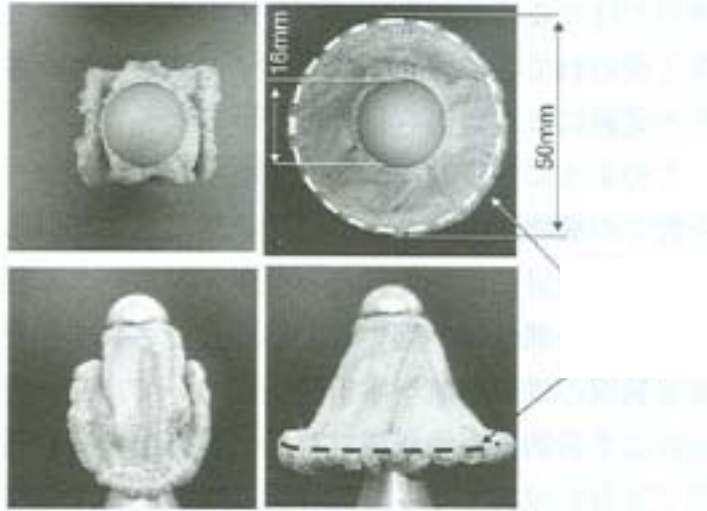
ZYLON

가

, 가 .

()

()



< 6>

ZYLON