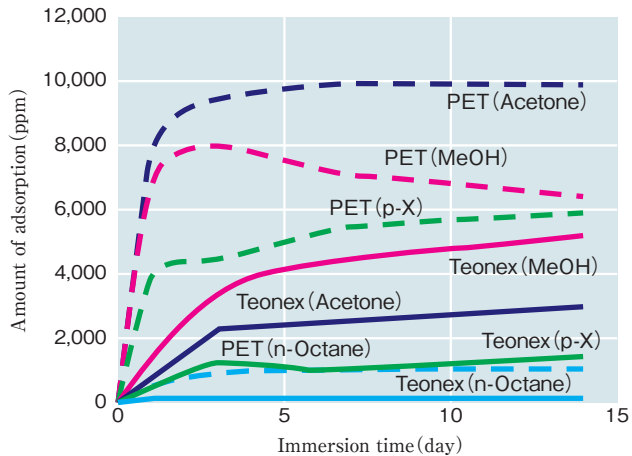


Adsorption

Teonex has smaller amount of adsorption than that of PET.

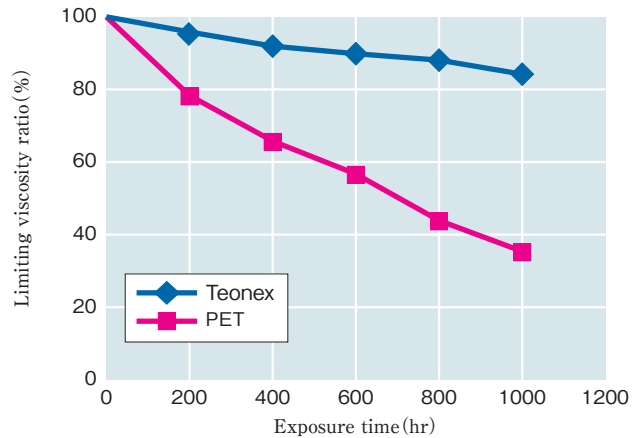
Comparison of adsorption amount



Anti-Hydrolysis

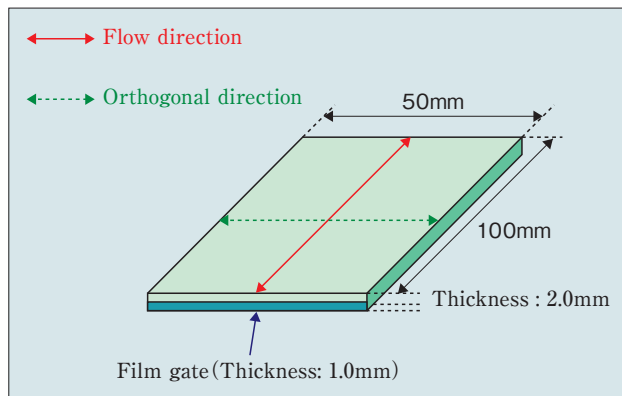
Teonex has higher hydrolysis resistance than that of PET.

Boiling water resistance



Mold Shrinkage

Molded product : 100mm×50mm×2mmt (See figure below.)



	Mold shrinkage rate (%)	
	Flow direction	Vertical direction
TN-8050SC	0.37	0.21
TN-8065S	0.39	0.24

Molding condition

○ TN-8065S

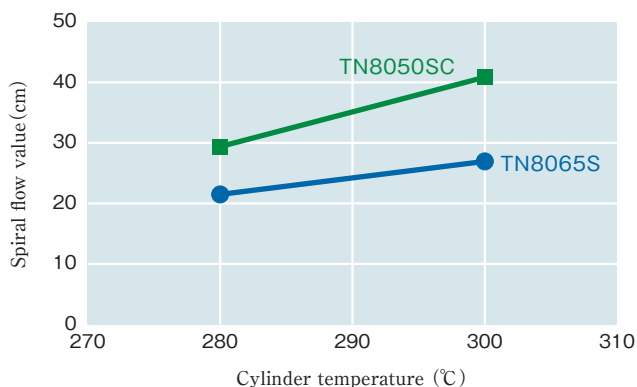
Molding Machine : Sumitomo SG150t
 Molding temperature :
 Cylinder temperature : 300-300-300-290°C
 Mold : 80°C
 Injection speed : 40mm/s
 Dwelling : 102 MPa×10s
 Cooling time : 20s

○ TN-8050SC

Molding Machine : Sumitomo SG150t
 Molding temperature :
 Cylinder temperature : 285-285-285-285°C
 Mold : 80°C
 Injection speed : 60mm/s
 Dwelling : 94.2MPa×10s
 Cooling time : 20s

Flow Properties

Spiral flow value



Product sample	TN8050SC	TN8065S
Grade	High flow grade	Normal grade
IV (dl/g)	0.50	0.68
Melting point (°C)	265	265

Molding machine : Sumitomo SG150t
 Injection pressure : 98.1 MPa
 Mold temperature : 80°C
 Flow channel thickness : 2mm
 Flow channel width : 8mm