



# “Torelina” (PPS FILM)

## 1.High Temperature

Torelina can be used between 230°C to 260°C temperature in case of short - term.

## 2.Hydrolysis Resistance

Torelina features outstanding resistance to hydrolysis.

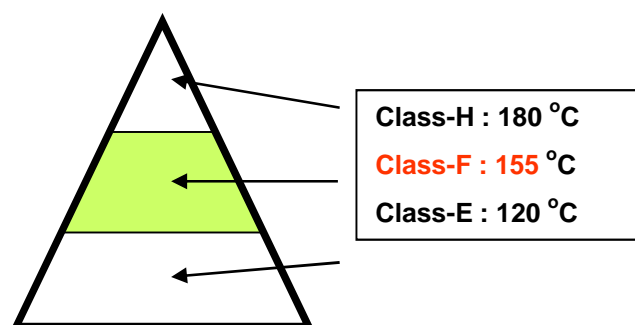
## 3.Chemical Resistance

Torelina features exceptionally outstanding resistance to chemicals.

### Typical Properties of Torelina

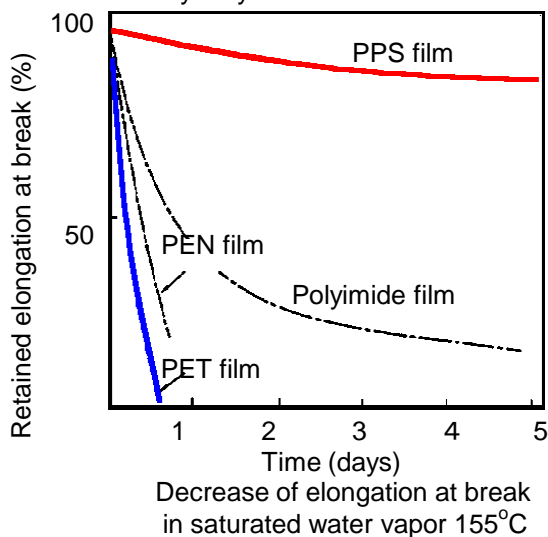
Property	PPS	PEN	PI
Orientation of film	BO	BO	NO
Density(g/cm3)	1.35	1.36	1.42
<b>Physical and Thermal</b>			
Melting temperature	285	269	none(no melting)
Tg (°C)	92	121	None
Long-term service temperature	160	160	200
Temperatures resistance class	F	F	H
Flammability	VTM-0	(NG)	V-0
<b>Chemical</b>			
Moisture absorption(%/75%RH)	0.05	0.4	2.2
Hygroscopic Stability	Excellent	Fair	NG
Hydrolysis Resistance	Excellent	NG	Fair
Chemical Resistance	Excellent	Good	Good
<b>Electrical</b>			
Dielectric Strength(kV/mm)	250	300	275
Dielectric Properties	Excellent	Good	Good

### 1. Heat resistance (Long-term service temp.)



Class-H : PI  
**Class-F : PPS (160~180 °C)**  
 Class-E : PET

### 2. Hydrolysis Resistance



### 3. Chemical Resistance

	PPS	PEN	PI
Acid	E	G	E
Base	E	G	G
Gasohol	E	E	E
Organic solvent	E	E	E
water	E	P	P

E: Excellent, G: Good, P: Poor

### 4.Applications

- Motor Insulation
- Industrial adhesive tape (for aluminum electrolysis capacitor, Lithium ion battery etc.)
- Acoustic membranes and diaphragms
- Mold release-liner
- Toner agitator