



## ポリアリレートフィルム

### 耐熱性・透明性・機械物性を兼ね備える

U-Polymer film

**UH50 (50 $\mu$ m) 開発品**



**透明性**

全光線透過率 **89.7%**

**耐熱性**

ガラス転移温度 **193 $^{\circ}$ C**

**可とう性**

耐折強度(MIT) **6300回**

PET・PCフィルムの  
**耐熱性向上**

COPフィルムの  
**耐打抜性向上**  
**耐折曲性向上**

Unifiner film

**TF, TW (5~10 $\mu$ m) 開発品**

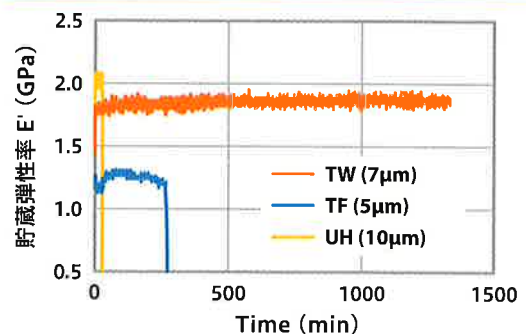


**耐熱性**

ガラス転移温度 **235 $^{\circ}$ C (TF)**  
**215 $^{\circ}$ C (TW)**

**音響特性**

**靱性**



グレード	試験片厚み ( $\mu$ m)	引張降伏応力 (MPa)	引張破壊応力 (MPa)	引張破壊伸び (%)	引張弾性率 (GPa)
TW	7	70	116	113	1.9
UH	10	57	>95	>110	1.8

# POLYARYLATE (PAR) FILM



## Triple "T" Thermal resistance, Transparency, Toughness

**U-Polymer film**

**UH50** (50μm) **Developing**



**Transparency**

Light transmittance **89.7%**

**Heat resistance**

Tg **193 °C**

**Flexibility**

MIT folding endurance test **6300** times

**Improve heat resistance**  
of PET, PC film

**Improve**  
**punching resistance**

**Improve foldability**  
of COP film

**Unifiner film**

**TF, TW** (5~10μm) **Developing**

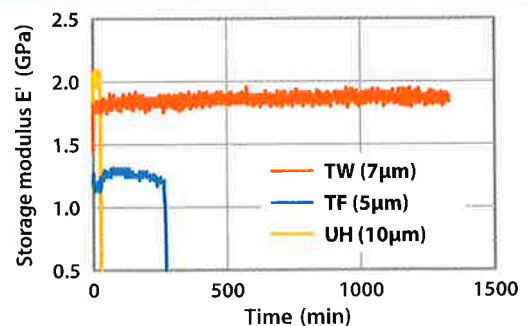


**Heat resistance**

Tg **235 °C (TF)**  
**215 °C (TW)**

**Acoustic properties**

**Toughness**



DMA test condition

- Test mode Tension mode
- Test piece size 20mm x 4mm
- Temperature 100°C
- Frequency 25Hz
- Strain 0.3%

Grade	Thickness (μm)	Tensile yield stress (MPa)	Tensile strength at break (MPa)	Tensile strain at break (%)	Tensile modulus (GPa)
TW	7	70	116	113	1.9
UH	10	57	>95	>110	1.8