

Transparent

High Heat Resistance

Hydrolytic Stability

Polysulfone

Unite-X(PSU/PSF)



Key 1
Transparent

Key 2
High Heat : HDT 345°F

Key 3
Excellent Hydrolytic Stability

Key 4
Chemical Resistance

Transparency

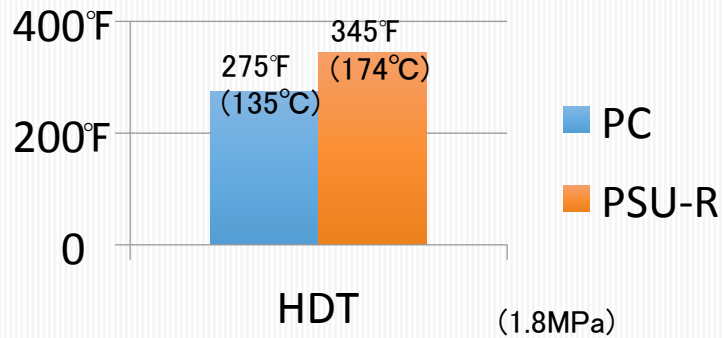


- Good Transparency
- Available on Natural and Colored

Hydrolytic Stability

- PSU/PSF is highly resistant to water absorption (especially in hot water and steam)
- Suitable for any parts requiring hydrolytic Stability (shower head parts, plumbing fittings)

High Heat Resistance



- HDT(ASTM D648) 345°F (174°C)
- Suitable for any parts requiring high heat resistance

Chemical Resistance

- PSU/PSF is resistant to water, aqueous solutions, alkalis, gasoline, kerosene, petroleum, alcohols and etc
- Please contact with us for additional information

Unite-X PSU-R Data Sheet

項目 Test Item	試験方法 Test Method	単位 Unit	非強化標準グレード Unfilled General Purpose Grade
			PSU-R
メルトフローインデックス Melt Flow Index	ASTM D1231 (343°C × 1.2kgf)	g/10min	7
比重 Specific Gravity	ASTM D792	-	1.24
引張強度 Tensile Strength	ASTM D638	Mpa	70
引張伸度 Tensile Elongation	ASTM D638	%	8
曲げ弾性率 Flexural Modulus	ASTM D638	Mpa	2420
曲げ強度 Flexural Strength	ASTM D638	Mpa	106
アイゾッド衝撃強度(ノッチ付き) Notchd Impact Strength	ASTM D256	J/m	67.0
荷重たわみ温度 Deflection temperature under load	ASTM D648 1.8MPa	°C	174
成形収縮率 Mold shrinkage	APEX法	%	0.7
線膨張係数 Linear thermal expansion	ISO 11359-2	-	-
難燃性 Flammability	UL94	-	HB 1.5mm相当 V-0 4.5mm相当
標準成形条件 Standard molding condition			
予備乾燥温度 Preliminary, dry temperature	-	°C	145～149
予備乾燥時間 Preliminary, dry time	-	時間 Time	6Hr
成形温度 Molding temperature	-	°C	330 ～ 355 * Molded parts can be darker over around 350° C
金型温度 Temperature of metal mold	-	°C	140 ～ 170
ISO表記			> PSU <

※ これらの数値は、定められた試験法に基づいて得られた数値であり、保証値ではありません。尚、これらの数値は物性改良のため変更することもあります。

※ These numerical values are numerical values obtained based on the established examination method, and no guarantee values. These numerical values might change for the physical properties improvement.