

Ultrason® P 3010

PPSU (Polyphenylsulfone)

Product Description

Ultrason P 3010 is an unfilled, flame retardant, higher viscosity injection molding PPSU grade, with improved chemical resistance.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm	1183	1.29
Mold Shrinkage, parallel, %	294-4	0.9
Mold Shrinkage, normal, %	294-4	1
Moisture, %	62	
(50% RH)		0.6
(Saturation)		1.2
RHEOLOGICAL	ISO Test Method	Property Value
Melt Volume Rate (360 C/10 Kg), cc/10min.	1133	20
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23C		2,270
Tensile stress at yield, MPa	527	
23C		74
Tensile strain at yield, %	527	
23C		7.8
IMPACT	ISO Test Method	Property Value
Charpy Notched, kJ/m ²	179	
23C		65
-30C		24
Charpy Unnotched, kJ/m ²	179	
23C		N
-30C		N
THERMAL	ISO Test Method	Property Value
HDT A, C	75	196
Coef. of Linear Thermal Expansion, Parallel, mm/mm C		0.55 X10-4
ELECTRICAL	ISO Test Method	Property Value
Comparative Tracking Index	IEC 60112	150
Volume Resistivity	IEC 60093	>1E13
Surface Resistivity	IEC 60093	>1E14
Dielectric Constant (100 Hz)	IEC 60250	3.8
Dielectric Constant (1 MHz)	IEC 60250	3.7
Dissipation Factor (100 Hz)	IEC 60250	17
Dissipation Factor (1 MHz)	IEC 60250	89
Dielectric Strength, KV/mm	IEC 60243-1	44

