



Product Description

Ultrason S 6010 is a high molecular weight injection molding and extrusion grade with excellent chemical resistance (stress crack resistance) and good solubility in typical solvents (N-methylpyrrolidone, dimethylacetamide, dichloromethane) used in the production of membranes or coatings. It conforms to FDA requirements of 21 CFR 177.1655.

Applications

Typical applications include sanitary and heating systems/parts and membranes.

PHYSICAL	ISO Test Method	Property Value
Density, g/cm ³	1183	1.23
Mold Shrinkage, parallel, %	294-4	0.72
Mold Shrinkage, normal, %	294-4	0.77
Moisture, %	62	
(50% RH)		0.3
(Saturation)		0.8
RHEOLOGICAL	ISO Test Method	Property Value
Melt Volume Rate (360 °C/10 Kg), cc/10min.	1133	30
MECHANICAL	ISO Test Method	Property Value
Tensile Modulus, MPa	527	
23°C		2,600
Tensile stress at yield, MPa	527	
23°C		75
Tensile strain at yield, %	527	
23°C		5.7
IMPACT	ISO Test Method	Property Value
Izod Notched Impact, kJ/m ²	180	
23°C		6

Charpy Notched, kJ/m ²	179	
23°C		6
-30°C		6
Charpy Unnotched, kJ/m ²	179	
23°C		N
-30°C		N
THERMAL	ISO Test Method	Property Value
HDT A, ° C	75	175
Coef. of Linear Thermal Expansion, Parallel, mm/mm °C		0.53 X10-4
ELECTRICAL	ISO Test Method	Property Value
Comparative Tracking Index	IEC 60112	125
Volume Resistivity	IEC 60093	>1E13
Surface Resistivity	IEC 60093	>1E14
Dielectric Constant (100 Hz)	IEC 60250	3.5
Dielectric Constant (1 MHz)	IEC 60250	3.4
Dissipation Factor (100 Hz)	IEC 60250	11
Dissipation Factor (1 MHz)	IEC 60250	71
Dielectric Strength, KV/mm	IEC 60243-1	37

Dongguan Yi-Ming Plastic Chemical Co., Ltd.

如需要更多物性资料请查阅 www.kedisujiao.com

备注：以上原料物性数据由厂家发布,我公司仅提供参考！数据如有变动，请联系原料生产厂家获知。我公司不承担任何法律责任！