

**Xyron 500H**

	Property	Units	Test Method	Test Conditions	Xyron 500H	
Physical	Specific Gravity	—	ISO 1183	23°C	1.06	
	Moisture Absorption	%	ISO 62	Immersion for 24 hours	0.06	
Thermal	Heat Distortion Temp.	°C	ISO 75	1.80 MPa	114	
			ASTM D648	1.82 MPa	120	
	Coefficient Linear Thermal Expansion	mm/mm/°C	ISO 11359	-30°C~65°C	7.0 X 10 <sup>-5</sup>	
	Mold Shrinkage	%	ASTM D955	—	0.50 ~ 0.70	
	Flammability	—	UL 94	1.6 mm	HB	
3.2 mm				HB		
Electrical	Dielectric Constant	—	IEC 60250	100 Hz	2.8	
				1 MHz	2.8	
	Dissipation Factor	—	IEC 60250	100 Hz	0.0005	
				1 MHz	0.0006	
	Volume Resistivity	Ω · cm	IEC 60093	23°C, 50% RH	10 <sup>16</sup>	
	Surface Resistivity	Ω	IEC 60093	23°C, 50% RH	10 <sup>16</sup>	
	Dielectric Strength	kV/mm	IEC 60243	Short time, 2 mm	30	
Comparative Tracking Index	V	IEC 60112	3 mm	210		
Mechanical	Ultimate Tensile Strength	MPa	ISO 527	23°C, 50%RH	47	
	Tensile Elongation (Nominal)	%	ISO 527	23°C, 50%RH	(24)	
	Flexural Strength	MPa	ISO 178	23°C, 50%RH	78	
	Flexural Modulus	MPa	ISO 178	23°C 50%RH	2430	
	Charpy Impact Strength	KJ/m <sup>2</sup>	ISO 179	4.0 mm, notched, 23°C		17
				6.4 mm, notched, 23°C		147
Izod Impact Strength	J/m	ASTM D 256	3.2 mm, notched, 23°C		216	
Moulding Conditions	Resin Temperature	°C	—	—	240 ~ 290	
	Mould Temperature	°C	—	—	50 ~ 80	
	Pre-drying Temperature	°C	—	—	90 ~ 100	
	Pre-drying Time	Hr	—	—	2 ~ 4	

Note: —

Data shown are typical values obtained by proper testing methods and should not be used for specification purpose. Please use these data for selecting the most appropriate grade suitable for specific usage. These data maybe changed because of the improvement in properties.