

XYRON™

Property datasheet of XYRON 540Z

	Property	Unit	Test Method	Test Condition	XYRON™ 540Z
Physical	Filler	%	-	-	0
	Specific Gravity	-	ISO 1183	23°C, 50%RH	1.08
	Shrinkage	%	Internal	23°C, 50%RH	0.5 - 0.7
	Water Absorption	%	ISO 62	Immersion for 24hr	0.1
Mechanical	Tensile Strength	MPa	ISO 527	23°C, 50%RH	69
	Tensile Elongation at break	%	ISO 527	23°C, 50%RH	13
	Flexural Strength	MPa	ISO 178	23°C, 50%RH	107
	Flexural Modulus	GPa	ISO 178	23°C, 50%RH	2.5
	Charpy Impact (Notched)	KJ/m ²	ISO 179	4mmt, 23°C, 50%RH	17
Electrical	Dielectric Constant		IEC 60250	100Hz	2.9
				1MHz	2.9
	Dissipation Factor		IEC 60250	100Hz	0.003
				1MHz	0.004
	Volume Resistivity	Ohm-cm	IEC 60093	23°C, 50%RH	10 ¹⁶
	Surface Resistivity	Ohm	IEC 60093	23°C, 50%RH	10 ¹⁶
Dielectric Strength	kV/mm	IEC 60243	Short time. 2mm	29	
Thermal	Heat Deflection Temperature	°C	ISO 75-1	1.8MPa	114
	Comparative Tracking Index	PLC	UL 746	-	0
	Relative Tracking Index	PLC	UL 746	(Elec/Imp/Str)	110/105/110
	High Amp Arc Ignition	PLC	UL 746	1.5mm	0
	Hot Wire Ignition	PLC	UL 746	1.5mm	0
	Flame Class	-	UL 94	-	0.75 mm V-0 2.5 mm 5VA
	Outdoor Suitability	-	UL 746	-	f1 (BK)
Molding	Resin Drying Time		Hours		2 - 4
	Resin Drying Temperature		°C		90 - 100
	Mold Temperature		°C		50 - 80
	Resin Melt Temperature		°C		240 - 300

Disclaimer

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. Data listed above may be subjected to changes due to improvement in properties.