

# Antenna Cover XYRON™ 442Z vs PC

Strength: light weight, Low Dk/Df, Hydrolysis Resistance

Property		Units	Test Method	Test Condition	XYRON™ 442Z	PC for Antenna Cover
Physical	Specific Gravity	-	JIS K 7112	23°C	1.1	1.2
Thermal	DTUL	°C	ISO 75-1	1.8 MPa	104	127
	Molding Shrinkage	%	ASAHI KASEI	-	0.6~0.8	0.7~0.8
Electrical	Dielectric Constant	-	IEC 60250	1GHz	2.6	2.9
	Dissipation Factor	-	IEC 60250	1GHz	0.004	0.007
Mechanical	Tensile Strength	MPa	ISO 527-2	23°C/50%RH	56	63
	(Nominal) Tensile Strain	%	ISO 527-2	23°C/50%RH	18	114
	Flexural Strength	MPa	ISO 178	23°C/50%RH	88	86
	Flexural Modulus	MPa	ISO 178	23°C/50%RH	2100	2130
	Charpy Impact Strength Notched	kJ/m <sup>2</sup>	ISO 179	23°C/50%RH	44	63

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 may be changed because of improvement in properties.