

INFINO XP-2140 C

PPS/GF with 40% GF reinforcement that is applied to automobile parts etc.

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,66
	Melt Flow Index	316°C , 5kg	ISO 1133	g/10min	83
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	267
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	283
	Heat Deflection Temperature (annealing)	1.8 MPa, 4.0mm	ISO 75-2	°C	272
	Heat Deflection Temperature (annealing)	0.45 MPa, 4.0mm	ISO 75-2	°C	283
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	180
	Tensile Strain at Break	50mm/min	ISO 527	%	2,7
	Tensile Modulus	50mm/min	ISO 527	MPa	11400
	Tensile Strength at Break	50mm/min	ISO 527	MPa	180
	Flexural Strength	2mm/min	ISO 178	MPa	260
	Flexural Modulus	2mm/min	ISO 178	MPa	13400
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m ²	11
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	13
	Rockwell Hardness	R-scale	ISO 2039-2	-	121