

INFINO AE-2030

PC/PET material that can be applied to automobile radiator grille and door handle

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,2
	Melt Flow Index	250°C,10kg	ISO 1133	g/10min	32
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	97
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	120
	Heat Deflection Temperature (annealing)	1.8 MPa, 4.0mm	ISO 75-2	°C	103
	Heat Deflection Temperature (annealing)	0.45 MPa, 4.0mm	ISO 75-2	°C	121
	Vicat Softening Temperature	B/50	ISO R 306	°C	130
	Vicat Softening Temperature	B/120	ISO R 306	°C	132
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	54
	Tensile Strain at Break	50mm/min	ISO 527	%	108
	Tensile Modulus	50mm/min	ISO 527	MPa	2000
	Tensile Strength at Break	50mm/min	ISO 527	MPa	54
	Flexural Strength	2mm/min	ISO 178	MPa	80
	Flexural Modulus	2mm/min	ISO 178	MPa	2200
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m ²	57
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	61
	Rockwell Hardness	R-scale	ISO 2039-2	-	115