

ISO Property | LOTTE Advanced Materials

INFINO	Grade	AE-2230
	Resin Type	PC/PET

Item	Measuring Method	Condition	Unit	Value
Physical				
Specific Gravity	ISO 1183	Natural or representative color	-	1.35
Melt Flow Index	ISO 1133	260°C, 5kg	g/10min	20
Mold Shrinkage(MD)	ISO 2577	Flow at 2mm(MD)	%	0.3-0.6
Mold Shrinkage(TD)	ISO 2577	X-Flow at 2mm(TD)	%	0.3-0.6
ASH Content	ISO 3451	-	%	20
Mechanical				
Tensile Strength at Yield	ISO 527	50mm/min	MPa	55
Tensile Strain at break	ISO 527	50mm/min	%	7
Tensile Modulus	ISO 527	50mm/min	MPa	4000
Tensile Strength at break	ISO 527	50mm/min	MPa	61
Flexural Strength	ISO 178	2mm/min	MPa	90
Flexural Modulus	ISO 178	2mm/min	MPa	3900
Izod Impact Strength (notched)	ISO 180 1A	at 23°C, 4mm	KJ/m ²	7
Charpy Impact Strength (V-notched)	ISO 179 1eA	at 23°C, 4mm	KJ/m ²	7
Charpy Impact Strength (Unnotched)	ISO 179 1eU	at 23°C, 4mm	KJ/m ²	78
Rockwell Hardness	ISO 2039-2	R-scale	-	110
Thermal				
Heat Deflection Temperature(Unannealed)	ISO 75-2	1.8MPa, 4.0mm	°C	110
Heat Deflection Temperature(Unannealed)	ISO 75-2	0.45MPa, 4.0mm	°C	127
VICAT Softening Temperature	ISO R 306	B/50	°C	135

1. The value above is the representative value of the NP or representative color and may have deviation. It can only be used for selecting materials.
2. The value above shall not be regarded as a material specification and cannot be used for molding designs.

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