

INFINO AR-5300H

	Properties	Test condition	Method	Unit	Value
Physical	Specific Gravity	Natural or Representative Color	ISO 1183	-	1,45
	Mold Shrinkage (MD)	Flow at 3.2mm(MD)	ISO 2577	%	0,3
	Mold Shrinkage (TD)	X-Flow at 3.2mm(TD)	ISO 2577	%	0,6
	ASH Content	-	ISO 3451	%	30
	Melt Flow Index	250°C, 5kg	ISO 1133	g/10min	30
Thermal	Heat Deflection Temperature (unannealed)	1.8 MPa, 4.0mm	ISO 75-2	°C	180
	Heat Deflection Temperature (unannealed)	0.45 MPa, 4.0mm	ISO 75-2	°C	195
	Vicat Softening Temperature	B/50	ISO R 306	°C	205
Mechanical	Tensile Strength at Yield	50mm/min	ISO 527	MPa	110
	Tensile Strain at Break	50mm/min	ISO 527	%	5
	Tensile Modulus	50mm/min	ISO 527	MPa	7000
	Tensile Strength at Break	50mm/min	ISO 527	MPa	105
	Flexural Strength	2mm/min	ISO 178	MPa	170
	Flexural Modulus	2mm/min	ISO 178	MPa	7800
	Izod Impact Strength (notched)	at 23°C, 4mm	ISO 180 1A	KJ/m ²	8
	Charpy Impact Strength (V-notched)	23°C, 4mm	ISO 179 1eA	KJ/m ²	8
	Rockwell Hardness	R-scale	ISO 2039-2	-	117