

Product information			
Manufacturer	ECOYADI-2 SP. Z O.O.		
Part Marking Code	PA6		
Process	Injection molding		
FR	HB		
Material Attribute	30%Glass Fiber Reinforced		
Application	• Automotive fittings • E & E Applications		
Physical property	Standard	Value	Unit
Density 23°C	ISO 1183	1.38	g/cm ³
Shrinkage Flow	ISO 294	0.26	%
Shrinkage xFlow	ISO 294	0.74	%
Melt Index 255°C	ISO 1133	28	g/10min
Mechanical behavior	Standard	Value	Unit
Tensile Strength 5mm/min	ISO 527	135	MPa
Elongation Break 5mm/min	ISO 527	3.4	%
Flexural Strength 2.0mm/min	ISO 178	201	MPa
Flexural Modulus 2.0mm/min	ISO 178	8140	MPa
Izod Notch Impact 23°C	ISO 180	16	kJ/m ²
Thermal	Standard	Value	Unit
HDT 1.8MPa	ISO 75	218	°C
Melting Temperature 10°C/min	ISO 11357	220	°C
Electrical properties	Standard	Value	Unit
Volume Resistivity	IEC 60093	1E+13	Ω.m
Flammability	Standard	Value	Unit
Flame Rating 1.0mm	UL94	HB	
Injection molding		Value	Unit
Dry Temperature		80~120	°C
Dry Time		3~4	hr
Zone1 Temperature		240~250	°C
Zone2 Temperature		250~260	°C
Zone3 Temperature		250~260	°C
Nozzle Temperature		250~260	°C
Melt Temperature		240~250	°C
Mould Temperature		80~120	°C