

## EcoLon™ 2100-BK1

### Mineral/Glass Reinforced Nylon 66 Resin

Property	ISO Test Method	Metric Units	Dry As Molded (DAM)	Moisture Conditioned (50% RH)	
Tensile	527	MPa	- 40 °C	143	
			23 °C	105	55
			100 °C	50	
			150 °C	41	
Elongation	527	%	- 40 °C	2.5	
			23 °C	3	10
			100 °C	9	
			150 °C	9	
Flexural Modulus	178	MPa	7,800	3,500	
Tensile Modulus	527	MPa	- 40 °C	11,400	
			23 °C	10,200	3,700
			100 °C	3,100	
			150 °C	2,457	
Flexural Strength	178	MPa	170		
Notched Izod Impact	180	kJ/m <sup>2</sup>	- 40 °C	4.8	
			23 °C	4	8.1
Notched Charpy	180-93	kJ/m <sup>2</sup>	- 40 °C	4.1	
			23 °C	4	
HDT 264 psi	75-93	°C	212	-	
CLTE	11359-2	x10 <sup>-5</sup> / °C /cm/cm	Flow direction	3.5	-
			Transverse	6.4	-
Density	1183-87	g/cc	1.46	-	
Melting Point	3146	°C	260	-	
Shrinkage - Flow	DIS 294-4	%	0.6 – 1.0	-	
Shrinkage - Trans	DIS 294-4	%	0.9 – 1.3	-	
Filler Content	3415-4	%	38	-	

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