

## Wellman EcoLon® MR1660-BK 40% Mineral Reinforced Post Consumer Compound Nylon 66

Category : Polymer , Thermoplastic , Nylon , Nylon 66 , Nylon 66, 40% Mineral Filled

### Material Notes:

Description: Mineral Reinforced Post Consumer Compound Nylon 66 Information provided by Wellman.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Wellman-EcoLon-MR1660-BK-40-Mineral-Reinforced-Post-Consumer-Compound-Nylon-66.php](http://www.lookpolymers.com/polymer_Wellman-EcoLon-MR1660-BK-40-Mineral-Reinforced-Post-Consumer-Compound-Nylon-66.php)

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in <sup>3</sup>	ISO 1183-87
Filler Content	40 %	40 %	
Linear Mold Shrinkage, Flow	0.0060 - 0.010 cm/cm	0.0060 - 0.010 in/in	ISO DIS 294-4
Linear Mold Shrinkage, Transverse	0.0090 - 0.013 cm/cm	0.0090 - 0.013 in/in	ISO DIS 294-4

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	72.0 MPa	10400 psi	ISO 527-93
Elongation at Break	3.0 %	3.0 %	ISO 527-93
Flexural Strength	125 MPa	18100 psi	ISO 178-93
Flexural Modulus	7.00 GPa	1020 ksi	ISO 178-93
Izod Impact, Notched (ISO)	3.50 kJ/m <sup>2</sup>	1.67 ft-lb/in <sup>2</sup>	ISO 180-93

Thermal Properties	Metric	English	Comments
Melting Point	260 °C	500 °F	ISO 3146
Deflection Temperature at 1.8 MPa (264 psi)	170 °C	338 °F	ISO 75-93

Processing Properties	Metric	English	Comments
Rear Barrel Temperature	282 - 304 °C	540 - 580 °F	
Middle Barrel Temperature	277 - 299 °C	530 - 570 °F	
Front Barrel Temperature	271 - 293 °C	520 - 560 °F	
Nozzle Temperature	282 - 293 °C	540 - 560 °F	
Melt Temperature	288 - 310 °C	550 - 590 °F	
Mold Temperature			

<b>Processing Properties</b>	<b>71.1 - 93.3 °C Metric</b>	<b>160 - 200 °F English</b>	<b>Comments</b>
Drying Temperature	79.4 °C	175 °F	Opened bags and gaylord boxes
Dry Time	2 - 4 hour	2 - 4 hour	Opened bags and gaylord boxes
Moisture Content	0.050 - 0.20 %	0.050 - 0.20 %	During molding to prevent hydrolytic degradation
	<= 0.20 %	<= 0.20 %	In shipping bags, ready to mold
Injection Pressure	34.5 - 138 MPa	5000 - 20000 psi	
Back Pressure	0.345 MPa	50.0 psi	
Screw Speed	30 - 120 rpm	30 - 120 rpm	

## Contact Songhan Plastic Technology Co.,Ltd.

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