



PIEDMONT
resin supply

Product Data & Processing Guidelines
ISO 9001:2015 Certification

P66IMBK-H

Nylon 66, Impact Modified, Heat Stabilized, Black – High Performance

<u>Physical</u>	<u>Units</u>	<u>ISO Procedure</u>	<u>Values</u>
Moisture	%	15512	0.20 Max.
Specific Gravity	-	1183	1.10
<u>Impact</u>			
Izod , Notched (23C)	kJ/M2	180	15
Charpy, Notched (23C)	kJ/M2	179	15
<u>Mechanical</u>			
Tensile Strength	Mpa	527	65
Tensile Elongation	%	527	40
Tensile Modulus	Mpa	527	2500
Flexural Modulus	Mpa	178	2200
Flexural Strength	Mpa	178	75
<u>Thermal</u>			
Melt Point	°C	11357	260
HDT 1.8 Mpa	°C	75	70

Recommended Processing Conditions

Drying Temperature	180°F
Drying Time	2-4 Hours
Maximum Moisture	0.20%
Rear Zones	520-560°F
Middle Zones	520-560°F
Nozzle	520-560°F
Mold Temperature	150-180°F
Melt Temperature	520-560°F
Back Pressure	50 psi

The information provided above is based on laboratory testing using the test methods indicated and is believed to represent nominal results of those tests. Because conditions under which this material may be processed, tested or used cannot be anticipated, no warranty is given, either expressed or implied, as to the accuracy or reproducibility of this information or for the fitness of this material for any particular use. This material is sold with the express understanding that purchasers, processors or other users of this material have sole responsibility, through performance of their own testing, to determine the suitability of this material for any particular use. Additional testing can be provided if required upon request.

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