

Technical Data Sheet



Product name: Pegasus PP

Pegasus PP is most likely the lightest filament in the world!

Pegasus PP is an ultralight nanotechnology enhanced compound based on our Centaur PP plus other PP grades and various impact modifiers and binding agents. Due to the nanotechnology applied Pegasus has a 20% lower weight and/or density than regular PP. Pegasus PP combines all the mechanical properties of PP with an extremely lightweight and by that makes it a very suitable material for applications such as automotive, drones, floating applications, wear resistant & durable applications, etc...

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	0.75 g/cc	ISO 1183	-
Melt flow rate	230°C / 2,16kg	ISO 1133	6,2 g/10min
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	3.56 KJ/m ²	ISO 179	Charpy Notched @23° C (73° F)
Tensile strength	12Mpa	ISO 527	@Yield 50mm/min (2 inch/min)
Tensile modulus	605 Mpa	ISO 527	-
Elongation at break	25%	ISO 527	-
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 215 - 245° C	-	-
Melting temperature	± 154° C	-	-
Viscat softening temp.	-	-	-
Optical			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

Product details, certifications and compliance	Diameter	Tolerance	Roundness
HS Code	39169090	± 0.05mm	≥ 95%
REACH compliant	Yes	± 0.10mm	≥ 95%
RoHS certified	Yes		

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