Technical Data Sheet

FORMFUTURA®

Product name: Atlas Support™
Version: v3

Atlas Support is the next generation in PVA water-soluble support materials for FFF/FDM 3D printing. Atlas Support is the result of extensive research to PVA improvement which has resulted in an unique formulation where numerous PVA grades have been blended into one superior water soluble support material with improved thermal stability.

Atlas Support has good bonding to a wide variety of materials – such as PLA, ABS, PETG, ASA, HIPS, et cetera – and is much less sensitive to degradation by humidity.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.22 g/cc	ASTM D1505	-
Melt flow rate	2.3 g/10min	-	220° C/10Kg
Water absorption	-	-	-
Moisture absorption	-	-	-
Mechanical			
Impact strength	1.7 KJ/m²	ISO 179	Charpy Notched @23° C (73° F)
Tensile strength	-	-	-
Tensile modulus	3500 Mpa	ISO 527	1mm/min
Elongation at break	-	-	-
Flexural strength	-	-	-
Flexural modulus	-	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 180 - 205° C	-	-
Melting termperature	± 163° C	-	-
Viscat softening temp.	± 60,2° C	ISO 306	VST/A/50 (50° C/h, 10N)
Optical			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

Product details, certifications and compliance	
HS Code	39169090
REACH compliant	Yes
RoHS certified	Yes

Diameter	Tolerance	Roundness
1.75mm	± 0.05mm	≥ 95%
2.85mm	± 0.10mm	≥ 95%