

Technical Data Sheet



Product name: LimoSolve™

Version: v3

LimoSolve HIPS is a high-performance and easy to print High Impact PolyStyrene type of 3D printer filament which doesn't contain any added colorants and dissolves completely in Limonene. Being soluble in Limonene in combination with similar thermal properties to ABS make LimoSolve an outstanding supporting material for complex dual extrusion ABS prints.

When not being used as support material LimoSolve HIPS prints in an extremely bright white colour and has exactly the same characteristics as our EasyFil HIPS filament range.

Properties	Typical value	Test Method	Test condition
Physical			
Specific gravity	1.04 g/cc	ISO 1183	-
Melt flow rate	3.4 cm ³ /10min	ISO 1133	220° C/5Kg
Water absorption	<0,1%	ISO 62	Saturated at 23° C
Moisture absorption	<0.1%	ISO62	Equilibrium 23° C/50% RH
Mechanical			
Impact strength	15 KJ/m ²	ISO 179	Charpy Notched @23° C (73° F)
Tensile strength	22 Mpa	ISO 527	Stress @ Yield 23° C
Tensile modulus	1550 Mpa	ISO 527	-
Elongation at break	50% (MD)	-	-
Flexural strength	± 51.2 Mpa	-	-
Flexural modulus	± 2126 Mpa	-	-
Hardness	-	-	-
Thermal			
Print temperature	± 220 - 260° C	-	-
Melting temperature	± 180 - 260° C	ISO 294	-
Viscat softening temp.	± 89° C	ASTM D1525	B/2 (120° C/h, 50N)
Optical			
Haze	-	-	-
Transmittance	-	-	-
Gloss	-	-	-

Product details, certifications and compliance	Diameter	Tolerance	Roundness
HS Code	1.75mm	± 0.05mm	≥ 95%
REACH compliant	2.85mm	± 0.10mm	≥ 95%
RoHS certified			

Formfutura BV	CoC: 69099502	Tel: +31 (0)85 002 0881
Groenestraat 215	VAT: NL857733709B01	Email: info@formfutura.com
6531 HH Nijmegen	EORI: NL857733709	Website: www.formfutura.com
The Netherlands		

All information supplied by or on behalf of Formfutura in relation to its products, whether in the nature of data, recommendations or otherwise, is supported by research and, in good faith, believed reliable, but Formfutura assumes no liability and makes no warranties of any kind, express or implied, including, but not limited to, those of title, merchantability, fitness for a particular purpose or non-infringement or any warranty arising from a course of dealing, usage, or trade practice whatsoever in respect of application, processing or use made of the forementioned information or product. The user assumes all responsibility for the use of all information provided and shall verify quality and other properties or any consequence from the use of all such information. Typical values are indicative only and are not to be construed as being binding specifications.