

ADVANCED
RAW MATERIALS

ADVANC3D

Materials

ADSINT®

HIGH PERFORMANCE MATERIALS FOR LASER SINTERING MACHINES

Development, production and customisation
of Laser Sintering materials



ADVANC3DMATERIALS.COM

ADSINT®

ADSINT® is a high performance powder range developed specifically for **Selective Laser Sintering (SLS)**. AdSint® is compatible with all industrial plastic Laser Sintering equipment and Desktop SLS machines. AdSint® offers a vast variety of plastic powders for the SLS technology enabling an excellent quality and **smooth surface** to your sintered parts. Our R&D has been challenged to develop powders with an excellent surface quality and a **low refresh rate** of the powder. As part of our service, with the trial of our material, we offer you on-site technical support for adapting your machine parameters to our powders.

ADVANC3D MATERIALS IS YOUR PARTNER FOR THE LASER SINTERING MATERIALS.

PRODUCT RANGE

ADSINT PA12 Standard grade. Natural / Extra white / black

ADSINT PA12 GB30 Higher stiffness, lower cost

ADSINT PA12 LW Light Weight and lower cost per part

ADSINT PA12 HT High Temperature, metallic appearance

ADSINT PA12 CF Conductive, high stiffness

ADSINT PA11 NATURAL /BLACK (In the mass), Medical grade (nat)

ADSINT PA11 GB30 Higher stiffness

ADSINT PA11 CF Conductive, mechanical properties

ADSINT TPU 90 Flexible grade

ADSINT TPU LS Low smoke grade

ADSINT PA 12 ESD Antistatic

Coathylene PS

DEVELOPMENT GRADES

ADSINT PP FLEX Good elongation at break

ADSINT TPU Other shore hardnesses

ADSINT PA12 FR UL94VO

ADSINT PA12 XHT Extra high resistance grade



CUSTOM GRADES

We believe that one of the key points of the Laser Sintering Technology is to enlarge the polymer powder portfolio to offer solutions to different applications.

Do you need a special powder to meet your requirements? We develop it and produce it for you.

Do you need a tailor-made product to replace another technology? All kinds of materials, special effects, chemical resistances, special properties, certificates ... challenge us! Available for orders from 20kg.

We develop a product for you and make it work on your SLS equipment!

Do you have an idea, an application, a requirement, do you need exclusivity?

Let's make it possible and confidential!

LASER SINTERING POWDERS

Choosing the correct powder for your part means ensuring cost-savings and customer service.

Advanc3d Materials is your expert technical partner through this process:

- Advice in selecting the best product for your application
- Strong chemical background
- Wide range selection
- Offering custom grades

Product	Impact Strength	Flexural modulus	EI@break (%)	Melting T°C	Heat resistance (HDT@0,45MPa)	Easiness of process	Cost per part	Refresh Rate	Comments
PA11	++++	1400	37%	201°C	150°C	+++	€€€€	25%	Medical and food contact approval
PA11HT*	++	2200	15%	201°C	200°C	+++	€€€	25%	Available for sampling
PA11XHT*	++	2200	20%	201°C	>220°C	+++	€€€€	25%	Q4
PA12	+++	1520	22%	182°C	150°C	++	€€€	25%	Available for sampling
PA12GB30	++	2300	11%	182°C	180°C	++	€€	35%	Low cost and high stiffness
PA12LW	++	1500	17%	182°C	160°C	++	€€	35%	light weight and ease to sanding
PA12CF*	+++	5000	10%	182°C	180°C	++	€€€	35%	Available for sampling
PA12HT*	++	2300	10%	182°C	190°C	++	€€	35%	Available for sampling
PA12XHT*	++	1520	15%	182°C	>200°C	++	€€€	35%	Q4
TPU 90A	+++	-	250%	154°C	-	+++	€€	25%	Available for sampling
PP Flex	++++	1000 - 1500	>35%	130 - 135°C	70 - 80°C	+++	€€	25%	Release in Q1 2017
TPU different shore hardnesses	+++	-	-	-	-	+++	€€	25%	Release in Q1 2017
PA12 FR	++	2300	-	-	-	++	€€€	-	Release in Q4

*For information purposes only

- Build excellent parts for different sectors: medical, cosmetics, food, design and architecture, automotive, aerospace, apparel, shoes, industry.



ADVANC3D Materials® is a privately owned independent company with a strong knowledge and background in plastics. We develop, produce and distribute raw materials for the additive manufacturing industry:

FDM and **SLS**. Our aim is to provide material solutions for different sectors in the Additive Manufacturing.

Advanc3d Materials is your material's partner!



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Find out more about our services



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