



Specialty Pellets & Flake

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Background

Specialty pellets and flake are unique materials created for specific use cases.

Sometimes, common materials like PLA or ABS cannot meet the demands of a specific application and a dedicated material is needed.

Specialty materials have been created for casting, smooth surface finishes, flexible parts, high clarity, and improved material strength.

Due to the wide range of different applications, specialty materials are not easily classified into other common material categories.

The chemical makeup of specialty materials is diverse as well, making each specialty material truly special.

If you have a very specific demand for a material, there may be a specialty material to help you out!

Applications

Applications for specialty pellets and flake are almost entirely driven on the material's design.

Unlike common materials, specialty materials are often created for a specific application.

Some of the most common specialty material use cases are given, but specialty materials exist for a wide variety of different applications.

Material Properties

Since specialty pellets and flake vary widely in properties and functions, no exact material property table can be given.

It is recommended to consult the technical data sheet for a specific specialty material for material properties.

Printer Settings

Much like for pellets and flake properties, specialty materials also have a wide variety of different printer settings.

It is recommended to consult the technical data sheet for a specific specialty material for printer settings.

Sustainability

The sustainability of specialty pellets and flake varies widely, though often they are not easily recycled at commercial centers. Some specialty pellets are formulated to redirect a specific kind of waste into a pellet form for reuse. Safety data sheets of a specialty material can provide insight into ways to dispose of it properly.

Specialty Validated Suppliers



Techmer PM
Electrafil PC+CP
Pellets

Questions?

Please, do not hesitate to reach out to support@re3d.org via email or visit re3d.org/support if you have any more questions about Specialty pellets and flake .

Want to validate your material?

Would you like to see your material listed as a validated supplier? Our engineers welcome your pellets or reground material! Email us at info@re3d.org for more information.