TIGITAL 3D SET Technical Information Sheet



PPP Series

Flame Retardant for Public Transportation, Rail & Bus



Features



Flame Retardant



ow Print. Temperature



High Reuse Rate



ow Emmissions



No moisture uptake



ow smoke density

Product Description

TIGITAL® 3D-Set PPP Series are powders based on thermoset material for selective laser sintering (SLS).

They exhibit high flame retardancy, very low emission, easy printability at very low printing temperatures, versatility and high-reuse rates up to 70% and no pre drying step is necessary.

The powders are printable on all SLS devices with parameters provided from our technical team.

The material is available in black.



Applications



Bus, Rail, Transportation, Automotive



Aerospace and Defense



Material Property Overview

Material	PPP 371/80002	PPP 371/80004	PPP 371/80008
Density [kg/m³]	1250	1250	1570
Modulus [MPa]	2100	3200	4000
Strength [MPa]	40	40	38
Strain [%]	5.5	2.1	1.5
HDT-A [°C]	-	80	60
Color	Black	Black	Black
Features	UN ECE R 118 03 Annex 6,7 & 8	UL 94- V0	DIN EN 45545 R22/23 - HL 1,2,3

Compatibility

Compatible with all SLS printing machines.

Disclaimer

Our verbal and written recommendations for the use of our products, including the information provided in this Product Data Sheet, are based upon experience and in accordance with present technological standards. These are only given in order to support the buyer or user. They are noncommittal and do not create any additional commitments to the purchase agreement. The buyer is solely responsible for verifying the suitability and/or fitness of our products for the intended use and application. Further, the buyer is solely responsible for the appropriate, safe and legally compliant use, processing, handling and application of our products.

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