



Technical Datasheet

Product: Halogen-Free Flame Retardant Polyamide 6

Grade: C1PA6-HFFR

Product Description:

C1PA6-HFFR is a halogen-free flame retardant polyamide 6 compound. This grade meets stringently flammability performance requirements defined by industry agencies, including Underwriters Laboratories UL 94 V-2, V-0 and 5VA performance ratings. This product has wide applicability and its main application is electrical goods and home appliance.

Applications:

- Electrical goods.
- Home appliance.

Appearance:

Polymer Host	PA 6
Appearance	Granule
Color	White

Physical and Mechanical Properties:

Properties	Unit	Value	Standard
Specific Gravity	g/cm ³	1.25	ASTM D792
Tensile Strength (50 mm/min)	MPa	80	ASTM D638
Flexural Modulus	MPa	3800	ASTM D790
Izod Notched Impact Strength	J/m	50	ASTM D 256
Flammability	-	V-0	UL-94

Processing Temperature: The recommended processing temperature is 220 to 250 °C.

Recommendation: It should be degassed at 80°C for 4 hours properly before using.

Note: The information provided in this data sheet is based on our present state of knowledge and is estimated by Payesh C1 Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C1 Polymer Co. make no warranty and liability in connection with any use of this information.