

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.

Appearance:

Polymer Host	PA 6
Appearance	Granule
Color	White

Physical Properties:

Properties	Unit	Value	Standard
Specific Gravity	g/cm ³	1.25	ASTM D792
Tensile Strength (50 mm/min)	MPa	60	ASTM D638
Flexural Modulus	MPa	2000	ASTM D790
Izod Notched Impact Strength	J/m	30	ASTM D 256
Flammability	-	V-0	UL-94

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

Note: 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 C-One Polymer Co.. This information should not be used as guaranteeing specification limits. Payesh C-One Polymer Co. make no warranty and liability in connection with any use of this information.