

Description

APF 7 Black is a quick setting filler paste specifically formulated aeronautic or general industry application's requiring leading edge composite materials.

The service temperature of APF 7 Black is up to 200 °C, and makes possible manufacturing and repair work on a large application's range, where most of fillers are not appropriate.

APF 7 Black is also a styrene free mastic with low odor.

Properties

- Exceptional adhesion
- High gloss finish
- Easy sanding
- Easy to use
- Quick hardening
- Flexible use (adjustable Pot Life)

PHYSICAL PROPERTIES

Composition		Resin	Hardener	Mixed
Mix ratio – by weight Mix ratio by volume at 25 °C		100	2 up 5	-
Aspect		paste	paste	paste
Color		black	black	black
Specific gravity at 23 °C (g/cm ³)	ISO 1675 : 1985	1.70	1.20	-
Specific gravity of cured product at 23 °C (g/cm ³)	ISO 2781 : 1996	-	-	1.69
Pot life (100g) at 25 °C (min)	Gel Timer Tecam	-	-	5 up 11

MECHANICAL PROPERTIES at 23 °C

Hardness	ISO 868 :2003	Shore D1 / D15	88 – 90
Tensile strength	ASTM D-638	MPa	22
Flexural strength	ASTM D-790	MPa	43
Peak service temperature	-	°C	200
Glass temperature transition (tg)	ASTM E-1545	°C	66

Processing Conditions

Adjust catalyst rate according the expected Pot Life (refer to the chart below). Then butter it into the area.

Additional Data		
APF 7 BK Resin	Hardener	Mixed
Mix ratio – by weight (g)		Pot life (min)
100	2	11
100	3	8
100	4	7
100	5	5

Storage Conditions

Product is guaranteed for 12 months when stored in original unopened containers between 15 – 25 °C.

Handling Precautions

Normal health and safety precautions should be observed when handling these products :

- Ensure good ventilation,
- Wear safety glasses.

For further information, please consult the material safety data sheet.

Guarantee

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of AXSON products, under their own conditions before commencing with the proposed application. AXSON guarantee the conformity of their products with their specifications but cannot guarantee the compatibility of a product with any particular application. AXSON disclaim all responsibility for damage from any incident which results from the use of these products. The responsibility of AXSON is strictly limited to reimbursement or replacement of products which do not comply with the published specifications