



Araldite®
Structural Adhesives

***Proven* bonding solutions for high performance filters**

Why use Araldite® High Performance Filter Adhesives?

- **Used by many of the leading international filter manufacturers as the adhesive range of choice**
- **Comprehensive product portfolio to meet specific processing and performance requirements**
- **Worldwide network of experienced technical support staff**
- **Local supply and service available globally**



Araldite® Filter Product Range

Technology	Main feature	Product name	Colour	Mix ratio PBW (PBV)	Mixed viscosity	Cure time	Chemical resistance	Temperature resistance	Adhesion to metals	Adhesion to plastics
Description					Processing		Performance			

Hydraulic oil and chemical resistant adhesives

Epoxy	No mix thixotropic high temp/chemical resistance	AV 119	Beige	1 component	Thixotropic	20 min 160 C	VG	VG	VG	M
Epoxy	No mix high temp/chemical resistance paste	XW 951-2	Grey	1 component	Paste	20 min 160 C	VG	VG	G	M
Epoxy	High temp and chemical resistant soft paste	AW 139/HV 99	Grey	100:50 (100:45)	Soft paste	10 min 100 C	VG	VG	VG	M
Epoxy	High temp and chemical resistant paste	AV 138 HV 998	Grey	100:40 (100:40)	Paste	10 min 100 C	VG	VG	VG	M
Epoxy	Low visco, grey - temp/chemical resistant	XD 4752/XD 4753	Dark Grey	100:48 (100:50)	25 Pas	20 min 100 C	G	G	VG	M
Epoxy	Low visco, white - temp/chemical resistant	XD 4567/XW 4568	White	100:25 (100:31)	22-30 Pas	24 H 25 C	G	G	VG	M
Epoxy	Low visco, blue - temp/chemical resistant	CG 1308/95A6	Blue	100:10 (100:16)	28 Pas	24 H 60 C	G	G	VG	M
Epoxy	Med visco, black - temp/chemical resistant	AV 8574/HV 8574	Black	100:41 (100:50)	118 Pas	10 min 100 C	G	VG	VG	M

Air and light oil/ chemical resistant adhesives

Epoxy	General purpose filter adhesive	AY 105-1/HV 953u	Amber	100:100 (1:1)	Liquid	20 min 100 C	M	M	G	M
Polyurethane	Rapid cure liquid	XB 5090-1/XB 5304	Beige	100:20 (100:25)	3-5 Pas	7 min 100 C**	L	M	G	M
Polyurethane	Rapid cure thixotropic	XB 5093/XB 5304	Beige	100:20 (4:1)	Thixotropic	7 min 100 C**	L	M	G	M

** Green strength

Seam sealing and paper pleating

Polyamide	Air filter - Applied to uncured paper	EM 2210	≤107*	NA	4,5 - 6,5*	1 - 3 s*	-	197 - 209	M	M
Polyamide	Air filter - Applied to cured paper	EM 2870	max 10*	NA	4,5 +/- 1*	2 +/- 1 s*	-	165 +/- 5*	M	M
Polyamide	Air & Oil filter - Flexible formulation	EM 2194	≤10*	NA	33,0 - 38,0*	1 - 3 s*	M	188 - 195*	M	M
Polyamide	Air & Oil filter	EM 2888	max 10*	NA	5 +/- 1*	2 +/- 1 s*	M	187 +/- 2*	M	M

*Gardner (ISO 4630)

*(Pas at 220 C)

*(setting time)

*(softening point)

Notes

Key: VG - Very good, G - Good, M - Moderate, L - Limited

Adhesion to Plastics & Metals: Due to variety of plastics and metal types, please refer to Huntsman for specific advice.

Above table serves AS GUIDANCE ONLY. End use suitability needs to be determined by the customer.

Introduction to Huntsman and Araldite®

Huntsman Advanced Materials is a business of the Huntsman group of companies and is a leading global manufacturer and marketer of advanced polymer materials.

Araldite® adhesives from Huntsman are internationally recognised as the leading brand of industrial adhesives for high performance bonding and joining. For over 40 years, Araldite® has been selected by industry as the adhesive range of choice for many varied industries ranging from Aerospace to sports goods.

Araldite® Filter adhesives

Huntsman Advanced Materials offers a comprehensive range of Araldite® adhesives for bonding high performance filters, as used by many of the leading filter manufacturers worldwide. These products are backed by an experienced technical support team that can quickly respond to the demanding needs of the filtration industry.

Araldite® Filter adhesives feature handling properties including good gap filling and minimal shrinkage. Many of the products are formulated to withstand exposure to high temperatures, aggressive chemicals and temperature/humidity fluctuations in the operating environment.

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