

Advanced Materials**Aradur® 1571 / Accelerator 1573**

Aradur® 1571 (Dispersion of DICY in liquid Epoxy Resin)
 Accelerator 1573 (Accelerator paste (based on Uron))

DATA SHEET

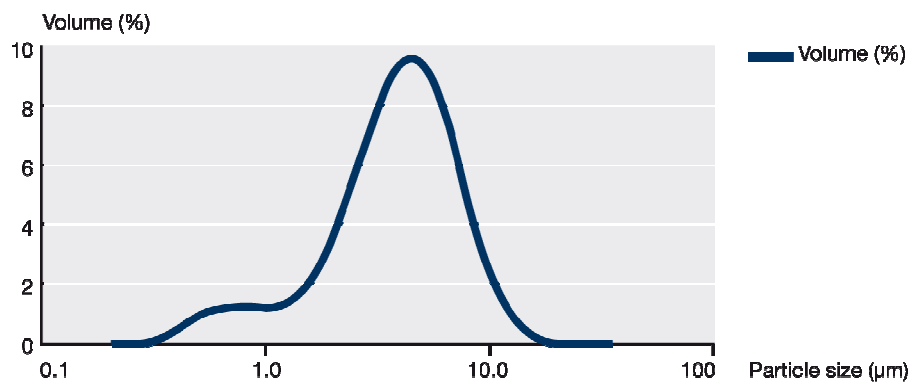
APPLICATIONS	Hardener and accelerator for one component epoxy systems Adhesives, Prepregs, Coatings ...	
PROPERTIES	<ul style="list-style-type: none"> • Particle size : 98% < 10µm • Accurate and consistent content • Complies with "one component" transportation constraints 	
BENEFITS	<ul style="list-style-type: none"> • Eliminate manipulation of fine powder • Eliminate the need for heavy dispersion equipments • Homogeneous , agglomerate-free dispersion • Easy to manipulate and introduce in epoxy resins formulations 	
KEY DATA	Aradur® 1571	
	Specified key data#	
	Aspect (visual)	Viscous , white paste
	Viscosity at 25 °C (ISO 3219)	28 000 – 40 000 [mPa.s]
	Particle size , Grindometer (ISO 1524)	0 - 28 [µm]
	Typical key data#	
	Dicyandiamide content	28 [%bw]
	Density at 25 °C (ISO 1675)	1.25 [g/cm ³]
	Flash point (DIN 51758)	>120 [°C]
	Accelerator 1573	
	Specified key data#	
	Aspect (visual)	Viscous , white paste
	Particle size , Grindometer (ISO 1524)	0 – 100 [µm]
	Gel time @ 130 °C (ISO 9396)	15 - 19 [min.]
	(GY 250 / Acc. 1573 : 100/20 pwb)	
	Typical key data#	
	Viscosity at 25 °C (ISO 3219)	60 000 – 90 000 [mPa.s]
	Density at 25 °C (ISO 1675)	1.08 [g/cm ³]
	Flash point (DIN 51758)	> 100 [°C]

Specified data are on a regular basis analysed. Data which is described in this document as 'typical' is not analysed on a regular basis and is given for information purposes only. Data values are not guaranteed or warranted unless if specifically mentioned.

Typical particle size characteristics measured by laser diffraction (dilution in MEK)

d(X%) *	d(10%)	d(50%)	d(90%)
Aradur® 1571	1.3 - 1.4	3.9 - 4.1	7.7 - 7.9
Accelerator 1573	0.9 - 1.1	2.9 - 3.1	6.0 - 6.2

*d(X%) : X% of the particles have a diameter below d(X%)

Typical particle size distribution of Aradur® 1571 (Light diffraction , dilution in MEK)

**HANDLING
PRECAUTIONS**

Personal hygiene

Safety precautions at workplace

protective clothing	yes
gloves	essential
arm protectors	recommended when skin contact likely
<u>goggles/safety glasses</u>	yes

Skin protection

before starting work	Apply barrier cream to exposed skin
after washing	Apply barrier or nourishing cream

Cleansing of contaminated skin

Dab off with absorbent paper, wash with warm water and alkali-free soap, then dry with disposable towels. Do not use solvents

Disposal of spillage

Soak up with sawdust or cotton waste and deposit in plastic-lined bin

Ventilation

of workshop	Renew air 3 to 5 times an hour
of workplaces	Exhaust fans. Operatives should avoid inhaling vapours

FIRST AID

Contamination of the *eyes* by resin, hardener or mix should be treated immediately by flushing with clean, running water for 10 to 15 minutes. A doctor should then be consulted.

Material smeared or splashed on the *skin* should be dabbed off, and the contaminated area then washed and treated with a cleansing cream (see above). A doctor should be consulted in the event of severe irritation or burns. Contaminated clothing should be changed immediately.

Anyone taken ill after *inhaling* vapours should be moved out of doors immediately.

In all cases of doubt call for medical assistance.

Huntsman Advanced Materials

(Switzerland) GmbH
Klybeckstrasse 200
4057 Basel
Switzerland

Tel: +41 (0)61 299 11 11
Fax: +41 (0)61 299 11 12

www.huntsman.com/advanced_materials
Email: advanced_materials@huntsman.com



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