

Epoxy Resin 70

ER 70 is a solution of Epichlorohydrin, Bisphenol, and Xylene

ER 70 has Excellent Chemical, Corrosion and Water Resistance

Application

- Adhesives
- Construction Application
- Fiber Application.
- Solvent based Anti-Corrosive Coatings
- Industrial Paints
- Laminates



Specification

Appearance	Visual	Dark Black Brown Colour
Solid Content	ASTM D1259	70.85 % W/W
Epoxy Value	ASTM D1652	1.6
Epoxy eq.wt	ASTM D1652	470
Viscosity@25°C (flow cup)	ASTM D1652-04	366 Second
Gel Point	ASTM D3532	39 Minutes
Specific Gravity	ASTM D792-20	1.11
Specific Wt	ASTM D792-20	1000 gm/m ²
Flash Point	ASTM D6038-14	52°c

Storage and shelf life

Material stored in the original unopened containers under cool dry condition between 10 and 25°C will have a shelf life of at least one-year. Once used the containers must be kept sealed to prevent effects from water, air or contaminants.

Health and safety

Epoxy resin systems may cause sensitisation by skin contact or inhalation may be corrosive, harmful or toxic. It is therefore strongly recommended that skin and eye contact is avoided by the using of appropriate personal protective equipment such as gloves, safety glasses or goggles and overalls. Wash any contamination from the skin immediately and thoroughly and do not eat, smoke or drink in the working vicinity. Under normal working conditions a good source of ventilation is adequate, however if the material is heated then local exhaust ventilation (LEV) may be required especially for curing ovens. The above is given as a guide

only; please refer to RX/HX439N Health and Safety data or our Technical Service Department for individual/specific advice

Description of first aid measures

General information

In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and seek medical advice.

Inhalation

Remove to fresh air, keep the patient warm and at rest. If breathing is irregular or stopped, administer artificial respiration.

Ingestion

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

Skin contact

Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognised skin cleanser. Do NOT use solvents or thinners.

Eye contact

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice

Dt: 09/04/2021

EPOXY RESIN

<i>Appearance</i>	<i>Visual</i>	<i>Dark Black Brown Colour</i>
<i>Solid Content</i>	<i>ASTM D1259</i>	<i>73.95 % W/W</i>
<i>Epoxy Value</i>	<i>ASTM D1652</i>	<i>1.6</i>
<i>Epoxy eq.wt</i>	<i>ASTM D1652</i>	<i>455</i>
<i>Viscosity@25° C (flow cup)</i>	<i>ASTM D1652-04</i>	<i>366 Second</i>
<i>Gel Point</i>	<i>ASTM D3532</i>	<i>39 Minutes</i>
<i>Specific Gravity</i>	<i>ASTM D792-20</i>	<i>1.11</i>
<i>Specific Wt</i>	<i>ASTM D792-20</i>	<i>1000 gm/m²</i>
<i>Flash Point</i>	<i>ASTM D6038-14</i>	<i>52°c</i>