

CASCOPHEN® AG-5635Q with CASCOSSET® LQ-100

Description

Cascophen® AG-5635Q is a liquid phenol resorcinol formaldehyde resin for use in gluing structural wood members when fast setting cure times are desirable.

Cascoset® LQ-100 is a ready-made, liquid, para-formaldehyde hardener for use with phenol resorcinol and resorcinol resins. AG-5635Q with LQ-100 has passed the adhesive durability requirements of the ASTM D-2559-03 Test Protocol.

Typical Physical Properties (at time of manufacture):

Property	Specification	Units	Test Method
Resin Viscosity	2,000-3,000	cps	(#3 spindle/20 rpm/25°C/1 min)
Hardener Viscosity	500-4,000	cps	(#5/20/21°C/5 min)
Mix Ratio	2.2-2.6/1	parts by weight	Resin to hardener
Mix Viscosity	2,000-5,000	cps	(#4/20/21°C/5 min)
Gel Time	20-40	minutes	50 gram control exotherm ¹
Resin Storage Life	9	months	21°C
Hardener Storage Life	2.5	months	21°C
Resin Screening	20	mesh	American National Standard
Hardener Screening	50	mesh	American National Standard
Resin Solids	55-57	%	125°C convection oven; 1 hr, 45 in.
Resin Specific Gravity	1.17 ± .01		Hydrometer
Hardener Specific Gravity	1.09 ± .01		Hydrometer
Resin Flash Point	56	°C	Pensky Martin closed cup

¹: A 50 gram sample of fresh adhesive is placed in a re-circulating water bath controlled to 21°C. A thermometer and gel stick are inserted into the sample to monitor temperature and distribute exotherm through occasional stirring. The gel is called when the glue mass breaks like toffee as the stick is pulled slowly out of the gel can.

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Before using any Hexion Specialty Chemicals, Inc. product, please be sure to read the Material Safety Data Sheet which was included with the shipment.

For more information contact your local Hexion Sales Representative or Customer Service Center (800) 441-9637.

Hexion Specialty Chemicals, Inc.
180 East Broad Street
Columbus, OH 43215
+ 1 614 225 4000

For worldwide locations visit
hexionchem.com

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