



سپاهان پلیمر فام

Sepahan Polymer Fam

Performance structural

Advance Composite

MATRIX SYSTEM FOR AVIATION INDUSTRIAL

RESIN C600

COLD CURING EPOXY SYSTEM

APPLICATIONS: low viscosity epoxy resin that use for industrial composites and aerospace . use for laminating high performance epoxy systems with good properties after cured.

PROCESSING:

-WET LAYUP

-RESIN TRANSFER MOULD(RTM)



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PRODUCT DATA:

Resin C600

Aspect(colour): light liquid

Viscosity at 25c (iso9371): 1130-1480 (mpas)

Density at 25c (iso 1675): 1.12-1.19 (g/cm3)

Flash point (iso2719): 285(c°)

Temperature resistente: 130 c (alternative)

POT LIFE:

at 25c: 30-35 (DAY)

at 40c: 15-18 (DAY)

CURE CYCLES: 2.5 HR AT 160C OR 24 RT

GLASS TRANSITION TEMPRETURE:

cure	Tg©
3HR AT 160c	120C



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TENSILE TEST cure	24AT RT
(ISO527)	
Tensile strength : (mpa)	540-563
Ultimate strength: (mpa)	578-584
Tensile modulus: (mpa)	17890-19620
Ultimate elongation:%	5.3-5.48

FLEXTURAL TEST CURE	24AT RT
(ISO178)	
Flextural strength : (mpa)	495-515
Flextural modulus: (mpa)	13250-14620

Water absorbtion:	imersion
4days H2o 23c:	% 1 (RT)
10 days H2o	%1.1 (RT)

(ISO62)

Shear strength(mpa): 21-25



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HANDLING PRECAUTIONS:

Material is safety at workplace

Protective clothing: yes

Gloves:essential

Contamination of the eyes by resin and hardner or mix should be related immediately by flushing with clean and 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 treat with a cleaning cream .