

ABR ORGANICS LIMITED

(An ISO 9001:2015 Certified Company)

A-3, Sri Madhava Apartments, H.No.2-2-23/41/4&5, Bank Colony, Bagh Amberpet,

Hyderabad – 500 013. Telangana, INDIA

Tel: 0091-40- 2742 6058 ; Tele Fax: 0091-40-2742 6059

E-mail: info@abrorganics.com ; knaveenc@abrorganics.com

PRODUCT TRADE NAME : ABRON - IR 900
PRODUCT TYPE : RESIN & HARDNER SYSTEM

ABRON IR 900 is a two component system comprising of special grade of epoxy resin and catalyst. This system cures at room temperatures and provides very good adhesion between surfaces. Excellent castings can also be obtained which are machinable. This compounded resin system has got many industrial applications. The resin system takes 24 hours to cure at 35 - 40°C and post curing is done at 80-85°C for 4 hrs. This resin system is compatible with many fillers like silica, quartz, graphite, etc.

PROPERTIES OF PURE CASTINGS

Sl.No	Test	Specification	Test Method
1.	Tensile Strength	500 - 700 Kg/cm ²	ISO R527
2.	Elongation	10 - 15 %	ISO R527
3.	Bond Strength	125 - 200 Kg/Cm ²	-
4.	Hardness	90 - 110 SHORE A	ASTMD 2240
5.	Specific Gravity	1.15 - 1.17 g/cc	ASTMD 792
6.	Specific Heat	0.2 - 0.5 ca/gm ⁰ C	ASTMD 864
7.	Thermal Conductivity	0.1 X 10 ⁻⁴ to 2 X 10 ⁻⁴ Cal/cm ⁰ Sec	ASTMD 17797
8.	Coefficient of Thermal Expansion	20 - 30 μm/m at 30°C	-
9.	Ablation Property	To withstand 400°C for 5 mts without disintegration	-

The product information or recommendations offered, either in writing or verbally, is a part of service information to our customers, and these are based on test results carried out by us based on the current state of our knowledge. Customers are requested to independently evaluate the suitability of the ABROL products for each application. The information provided is for the use by persons having technical skill, at their discretion & risk and no liability can be accepted in respect of information provided and no warranties are intended as the condition of application are beyond our control.