Technical Data

Cactus Juice Technical Data

UNCURED PROPERTIES

Composition/type: methacrylate ester monomers
Appearance/Color: translucent, very light amber liquid
Viscosity @25ºC : 4-6 cps
Specific Gravity: 1.03
Flash Point: >200ºF
Vapor Pressure: Less than 5mm Hg at 72° F
Florescence: No

CURED PROPERTIES

Appearance: hard, translucent, plastic
Hardness Shore D (ASTM D2240): 80-85

CURING METHOD

Cactus Juice is heat cured at temperatures between 80ºC -96ºC, (177º F -205º F). Cactus Juice cures when the temperature of the resin within the blank reaches 90º C for 6-8 minutes. The typical small shop method for curing is in a counter top toaster oven until internal blank temperature reaches the cure temperature for 10 minutes or more. This usually take 1-1.5 hours for a typical small batch of 10 pen blanks. Blanks with large cross section areas or larger batches of blanks may require longer processing times to achieve the required cure temperature.

SERVICE TEMPERATURE RANGE

Cactus Juice is formulated from the highest quality monomers to maximize the service operating range of the polymer. Cactus Juice is recommended for continuous service from –54ºC, (-65ºF) to 189ºC, (372ºF).

STORAGE

Activated Cactus Juice is easy to store and will exhibit an approximately 12 month shelf life under proper storage conditions. The resin should be stored in its original container and away from direct sunlight or other sources of UV light. Storage temperatures should be maintained below 29ºC (85ºF). Storage in a refrigerator is recommended.

HANDLING

ALL CHEMICALS SHOULD BE HANDLED WITH CARE!.
Cactus Juice resin can be safely handled using normally accepted practices for handling non-toxic industrial chemicals. Rubber gloves should be worn when handling liquid Cactus Juice. Avoid excessive skin contact and wash thoroughly with water and mild soap if contact occurs. If dermatitis occurs, seek medical attention and avoid further exposure. Avoid accidental contact with the eyes by using safety glasses. If accidental contact with the eyes should occur, flush immediately with copious amounts of clean water and obtain medical attention as necessary.

WASTE TREATMENT

Cured Cactus Juice is inert and can be disposed of as ordinary industrial trash. Uncured resin should be cured before disposal. Resin in solution in wash water effluent is biodegradable.

NOTES

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