

PRODUCT CODE: C280007/C280008

POLYPLEX FILLABLE DCPD RESINS are low-shrink, DCPD modified, promoted resins particularly suited for the production of high quality laminates. These resins show excellent glass fibre wet-out and are designed primarily to be filled and used for the production of rigid, low print parts. Low exotherm and low shrinkage in thick sections make these resins ideal for heavy structures or demanding laminates.

FEATURES

- Low profile properties result in excellent Gelcoat surface cosmetics
- Low shrinkage on curing
- Positive curing characteristics

TYPICAL LIQUID RESIN PROPERTIES

| PROPERTY | TYPICAL VALUE | |
|---|---------------------------|---------------------------|
| | C280007 (Winter Grade) | C280008 (Summer Grade) |
| Geltime @ 25°C, minutes 100 g filled mix + 1 ml Butanox M50 MEKP | 10 - 15 | 25 - 35 |
| Filled mix: 100g resin + 80 grams Omyacarb 5 | | |
| Viscosity @ 25°C, cP Brookfield RVT 3/10 Brookfield RVT 3/100 | 1500 – 2000 800 - 1000 | 1500 – 2000 800 - 1000 |
| Styrene Content, % | 38 - 40 | 38 - 40 |
| Shelf Life (ambient temperature and stored away from any heat sources and sunlight) | 4 months | 4 months |

TYPICAL CAST RESIN PROPERTIES

(Castings postcured at 80°C for 3 hours)

| PROPERTY | TYPICAL VALUE | TEST DETAILS |
|--------------------------------|---------------|--------------|
| Heat Deflection Temperature | 85°C | ISO 175 |
| Barcol Hardness (934-1) | 35- 40 | ASTM D2583 |

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, Polyplex resins should be stored in closed containers, away from heat sources and sunlight. The resin should be stored away from all sources of ignition. Stored resin quantities should be kept to a reasonable minimum and used on a first in/first out stock rotation basis.

STANDARD PACKAGING

Mild Steel Drums – 220kg
Mild Steel Pails – 20kg

Always refer to the MSDS before use