



Summit Chemicals Pty. Ltd.

22 Port Kembla Drive, Bibra Lake, W.A. 6163
Telephone (08) 9418 4555 Facsimile (08) 9434 1489
A.C.N. 009 003 785

COMMITMENT TO THE VERY BEST IN THE COMPOSITE FRP INDUSTRY

Summit Chemicals is a long established Western Australian owned and operated company whose fundamental objectives are to provide the FRP/Composite Industry with a comprehensive and competitive range of the very best products available worldwide, accompanied by a prime focus to satisfy our customers' needs with professional sales, marketing, technical and logistical support.

PRODUCT DATA SHEET

SUMMIT PR32 ORTHOPHTHALIC POLYESTER RESIN

Summit PR32 is a wax free, fast curing orthophthalic polyester resin suitable for general moulding in both spray up and hand laminating applications. PR32 features good wet out, high mechanical strength and rapid cure ensuring a shorter demoulding time.

TYPICAL PROPERTIES OF LIQUID RESIN:

Specific Gravity:	1.10
Viscosity, Brookfield No.3/60rpm, 25°C:	350 – 450 cps
Thixotropic Index:	2.0 – 3.2
Geltime, 25°C, 1% MEKP	
(a) Summer:	40 - 50 minutes
(b) Winter:	30 - 40 minutes
Stability:	4 months in sealed container at 25°C or less

TYPICAL PHYSICAL PROPERTIES OF CURED CASTINGS:

Barcol Hardness:	45
Tensile Strength:	52 MPa
Flexural Strength:	95 MPa
Flexural Modulus:	4000 MPa
Heat Distortion Temperature:	60°C
Elongation:	2.5%

The Trade Practices Act implies into contracts for the supply by a corporation of services as a "consumer" non-excludable warranties that, among other things, the goods provided will be of merchantable quality. Except to the extent that the purchaser has non-excludable rights against the company under the Trade Practices Act and, because we cannot anticipate or control the many different conditions under which our products and related information may be used, we do not guarantee the applicability or the accuracy of this information or the suitability of our products in any given situation. In accepting delivery of our products the customer acknowledges:

(a) The materials are of a hazardous nature and that the customer is responsible for disposal of the container in accordance with the requirements and regulations of the relevant supervising government authority;

(b) The materials have a limited shelf life and must be stored strictly in accordance with the guidelines and specifications related to the particular product;

(c) The company gives no warranty as to the applicability for the particular use by the customer and the customer shall be responsible for having to ensure that the materials are fit for the use required by the customer.



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Product Data Sheet Summit PR32 Orthophthalic Polyester Resin

TYPICAL PHYSICAL PROPERTIES OF REINFORCED RESIN, 30% GLASS FIBRE CSM:

Tensile Strength:	98 Mpa
Flexural Strength:	185 Mpa
Flexural Modulus:	7000 MPa

STORAGE AND HANDLING:

Polyester Resins should be stored in sealed containers, away from direct sunlight, heat and sources of ignition in order to remain stable and maintain optimum resin handling properties. Stored resin should be kept to a minimum and the stock used on a first in/ first out basis. It is important to note that prolonged storage of resin may result in separation, and therefore it is recommended that resin is agitated before use.

Please note: The content of this data sheet is to be used as a reference only.