



QUALIPOLY
TAIWAN

Technical Data Sheet

Polyester C114

C114 is a thixotropic, promoted orthophthalic LSE resin (Low Styrene Emission) designed for hand lay-up and spray-up of parts where short mould turnover and low peak exothermic are required, suitable for 3-15 mm application wet -on-wet.

PERFORMANCE

- * Good workability.
- * Good wet-out and easy defoaming.
- * Has excellent mechanical strength.
- * Has high thixotropic efficiency.

SPECIFICATIONS

Solid Content	%	57 ~ 61
Acid Value	mgKOH/g	15 ~ 26
Viscosity	cps, Brookfield No.3/60rpm at 25oC	450 ~ 550
Gel Time	min, 25oC, 1%MEKPO(50%)	40 ~ 50
Thixotropic Index		2.2 ~ 3.2

TYPICAL PHYSICAL PROPERTIES OF CURED CASTINGS

Barcol Hardness		45
Tensile Strength	kg/mm ²	5.5
Elongation	%	2.0
Flexural Strength,	kg/mm ²	10
Flexural Modulus,	kg/mm ²	420
Heat Distortion Temperature	oC	65

TYPICAL PHYSICAL PROPERTIES OF CURED CASTING 30%CSM FIBRE

Tensile Strength	kg/mm ²	11
Flexural Strength	kg/mm ²	22
Flexural Modulus	kg/mm ²	750

STORAGE STABILITY

The storage life in drums at room temperatures is three months. Storage life decreases with increasing temperature. Avoid exposure to heat sources such as direct sunlight or steam pipes.

Keep containers sealed to prevent monomer loss and moisture pick-up.

PACKING 20/220/225 kg net