

**PRODUCT CODE: C220120-A**

Polyplex 2258 is a low viscosity, waxed, isophthalic, thixotropic polyester resin developed to give extremely fast wet-out and good cure with low styrene emission. This grade is suitable for applications such as marine composites, where a higher degree of water resistance is required.

### CURING

Polyplex 2258 should be cured with between 1% and 2% MEKP catalyst. Although satisfactory cure for many applications can be achieved at lower temperatures, our recommended minimum temperature for work done to engineering or survey specifications is 15°C.

### TYPICAL LIQUID PROPERTIES @ 25°C

PROPERTY	TYPICAL VALUES
Viscosity (Brookfield 2/30)	500 – 800 cP
Geltime (1% MEKP) (minutes)	15-20
Volatile Content	46-49%
Specific Gravity	1.10
Appearance	Hazy Blue
Stability in Dark @ 20°C	6 months

### (FULLY CURED UNFILLED CASTING)

PROPERTY	TYPICAL VALUE
Barcol Hardness	40-45
Deflection Temperature under load (1.81MN/m <sup>2</sup> )	80
Specific Gravity	1.20
Elongation at Break	3.0%
Tensile Strength	65Mpa
Tensile Modulus	3.20Gpa
Flexural Strength	90Mpa
Flexural Modulus	4.15 Gpa

### CAUTION

Polyplex 2258 is subject to the Dangerous Goods Act 1974 (and as amended), it has a classification 3b since it has a flash point of 31°C (T.O.C). Liquid Polyplex 2258 is flammable and must be kept away from naked flames.

### STORAGE AND HANDLING

Polyplex 2258 should be stored in the dark in the closed containers in which it is supplied.

It is recommended that the storage temperature should not exceed 25°C.

### STANDARD PACKING

Mild steel drums

Refer MSDS before use