

PRODUCT CODE: C220027

POLYPLEX® 2036LV is a medium reactivity, unpromoted isophthalic polyester resin.

POLYPLEX® 2036LV has been formulated to provide a high degree of toughness and excellent crack resistance in cured composite parts.

SUGGESTED USE

This product is designed for use in compression moulding and pultrusion applications.

TYPICAL LIQUID RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Solids Content (%)	62-65	
Viscosity	850 – 1000 cP	Brookfield Viscosity @ 25°C, LVT 3/30rpm
Stability in Dark	6	@ 20°C (months)

TYPICAL CURING CHARACTERISTICS

PROPERTY	TYPICAL VALUE	TEST DETAILS
Gel Time (minutes) (66°C - 88°C)	9 – 14	SPI Reactivity
Time to peak exotherm (minutes) (66°C – Peak)	12 – 17	SPI Reactivity
Peak Temperature (C°)	190°C - 230°C	SPI Reactivity

SPI Gelttime @ 82°C 1% Benzoyl Peroxide Hardener (50%)

TYPICAL CASTING RESIN PROPERTIES

PROPERTY	TYPICAL VALUE	TEST DETAILS
Tensile Strength (MPa)	67	ISO R527
Tensile Modulus (GPa)	4.3	
Tensile Elongation at Break (%)	6.2	ISO R527
Tensile Elongation at Peak stress (%)	4.5	
Flexural Strength (MPa)	128	ISO 178
Flexural Modulus (GPa)	3.4	ISO 178
Heat Distortion Temperature @ 1.82 MPa (°C)	85	

STORAGE AND HANDLING

To ensure maximum stability and maintain optimum resin handling properties, polyester 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 (225kg)

Always refer to the MSDS before use.