



POLYESTER RESIN FOR PULTRUSION

Description :

ETERSET 2833 is an unpromoted ISO unsaturated polyester resin for pultrusion application

Performance :

Good impact strength.
High deflection temperature
Good mechanical strength

Suggested Uses :

Pultrusion process

SPECIFICATIONS

Appearance	light yellow transparency
Styrene monomer content, %	34.0 - 38.0
Viscosity (Brookfield spindle #3, 60rpm, at 25°C), cps	400 - 500

TYPICAL PERFORMANCE DATA

(for guidance only)

Curing Characteristics:

2% BPO (55 %) at 82.2°C

Gel time, mins	7' - 9'
Total time to peak exotherm, mins	9' - 14'
Peak exotherm, °C	200 - 250

Typical Physical Properties of Cured Castings :

Clear casting, ETERSET 2833

Barcol (934-1) hardness	42
Tensile strength, kgf/mm ² (ASTM D 638)	7.0
Elongation, %(ASTM D 638)	3.0

Flexural strength,kgf/mm ² (ASTM D 790)	13.8
Flexural modulus,kgf/mm ² (ASTM D 790)	350
Heat deflection temperature, °C	80

Pultrusion Process Suggested Formulation :

ETERSET 2833	100
Calcium Carbonate	20 - 25
Color Paste (depends on color)	5 - 15
PerOxide (75% BPO)	1
PerOxide (TBPB)	0.5
Styrene	15

Recommended Storage:

Typical storage life at temperature below 25°C is 3 months. Storage life decreases with increasing temperature. Avoid to exposure under heat source such as direct sunlight .

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

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