



Product	404 Isophthalic Resin
Technical Description	Polylyte polyester resin 404 is a rigid, medium reactivity, premium chemical resistant, isophthalic based polyester. The resin is low viscosity, thixotropic and pre-promoted for room temperature cure with the addition of methyl ethyl ketone peroxide or benzoyl peroxide.
Distinctive Properties	Excellent Chemical Resistance Low Water Absorbtion High Heat Distortion Temp. Stable Gel Time Excellent Laminate Physicals Versatility SPC/SQC Controlled
Product Specs	
Flash Point	89F
Shelf Life, Minimum	3 Months
Specific Gravity	1.05-1.15
Weight.Gallon	8.74-9.57lbs
% Styrene Monomer	46-50
Viscosity, Brookfield LVF	325-525cps
Thixotropic Index, Minimum	1.5
Gel Time @ 1.25%	20-24minutes
Color, Liquid	Purple Opaque
Physical Properties	
Barcol Hardness	38
Heat Distortion Temp	106C
Specific Gravity	1.19
Tensile Strength	7,300
Tensile Modulus	5.34
Tensile Elongation	1.5
Flexural Strength	15,250
Flexural Modulus	6.27
Compressive Strength	12,700
Water Absorbtion, 24hr Room Temp	0.19%
Water Absorbtion, 2Hr Boiling	0.51%
Cure Conditions	Clear casting with 1.25% MEK Peroxide, overnight room temperature cure, two hour post cure @250F