

Polyester Resin

Typical Liquid Resin Properties:

(Typical properties are not to be construed as specifications)

Viscosity @77°F/25°C, RVF Brookfield Spindle #4 @ 20 RPM, cps.

Thix Index 2/20

Color

Specific Gravity

Gel Time @140°F with (1% Di-(4-tert-butyl-cyclohexyl) peroxydicarbonate and 0.5%Trigonox KSM), Minutes

Pot Life @ 77°F/25°C (1% Di-(4-tert-butyl-cyclohexyl) peroxydicarbonate and 0.5%Trigonox KSM), Minutes

Test Results

4000-6000

4.0-5.0

Opaque/Gray

1.06-1.30

8-12

20-50

Trigonox is a trade mark of Akzo Nobel Chemicals

Typical Filled Cast Mechanical Properties:

(Typical properties are not to be construed as specifications)

Test Method

Tensile Strength, psi/MPa	7,220/50	ASTM D 638
Tensile Modulus, psi/GPa	690,000/4.8	ASTM D 638
Tensile Elongation, %	1.8	ASTM D 638
Flexural Strength, psi/MPa	12,300/85	ASTM D 790
Flexural Modulus, psi/GPa	700,000/4.8	ASTM D 790
Heat Distortion Temperature, °F/°C @ 264 psi	237/114	ASTM D 648
Barcol Hardness	42	ASTM D 2583

Typical Neat Cast Mechanical Properties:

(Typical properties are not to be construed as specifications)

Test Method

Tensile Strength, psi/MPa	11,600/80	ASTM D 638
Tensile Modulus, psi/GPa	600,000/4.1	ASTM D 638
Tensile Elongation, %	2.85	ASTM D 638
Flexural Strength, psi/MPa	19,000/131	ASTM D 790
Flexural Modulus, psi/GPa	560,000/3.9	ASTM D 790
Heat Distortion Temperature, °F/°C @ 264 psi	223/106	ASTM D 648
Barcol Hardness	45	ASTM D 2583