Resin

Permafil® 3255

- General purpose unsaturated polyester resin
- Very low viscosity
- Excellent electrical properties
- VPI impregnation of aluminum and iron castings
- VPI impregnation of carbon products

		Value	Test norm
Flash point	°F (°C)	≥200 (93.3)	Pensky-Martens Closed Cup
Specific Gravity 77ºF(25ºC)		1.2	
Viscosity (Brookfield) 77°F (25°C)	cps	350 ± 30	
Gel time at 100ºC	minutes	14 (0.8% TBP) ± 3	
Flexural strength	PSI	13,700	
Solids content	%	100	
Thermal resistance	°F (°C)	175 (79.4) constant, 392 (200) intermittent	
Thermal conductivity		4 x 10 (-4) cal/sec/cm(2)/C /cm	
Coefficient of thermal expansion		10 x 10 (-5)	
Dielectric constant; 60Hz, 77ºF (25ºC), 50% R.H.		4.3	
Insulation resistance at 23°C	Ohm	8.7x10(14)	
Dissipation factor @ 25ºC tan delta	%	1.2	

General description
Permafil® 3255 is a clear liquid unstaurated polyester resin which cures to a tough, rigid, infusible solid when catalyzed. It's low viscosity permits complete penetration of porous structures and being 100% solid helps eliminate the potential problem of voids which can occur with conventional solvent-borne varnishes.

Application
Permafil® 3255 resin is suggested for use as a general purpose varnish for laminating, insulation, and bonding all types of coil structures. It has been found to be particularly suited to sealing of porous metal or carbon castings. It possesses good electrical properties at room temperature and at elevated temperature.

Storage Conditions
Permafil® 3255 resin can be expected to stay within its specified gel time limits when stored precatalyzed for three months at 77oF (25OC) or six months at 45oF (7.2C). Aeration of the catalyzed resin will enhance stability. Un-catalyzed resin should be kept away from sources of direct heat or sunlight.

Order Data
Permafil® 3255 resin is available in 1 gallon and 55 gallon containers. Catalyst for this resin is sold separately. For the name of your distributor or for more information on this product, contact our Customer Service department, (518) 344-7100.

Health and safety
Material Safety Data Sheets defining the known hazards and describing safety precautions appropriate for this product are available upon request from Von Roll USA, Inc., 200 Von Roll Drive, Schenectady, New York 12306 (518) 344-7100. Similar information sheets for solvents and other chemicals used with this product may be obtained from the appropriate supplier and used accordingly.

Specifications
The properties shown above are typical values only, and should not be used as a basis for preparing specifications. Contact our Customer Service department, (518) 344-7100 for assistance in preparation of specifications for your specific system application.

Von Roll USA, Inc.
Schenectady, NY 12306, USA
www.vonroll.com

SK 3IC13 23-06-2015