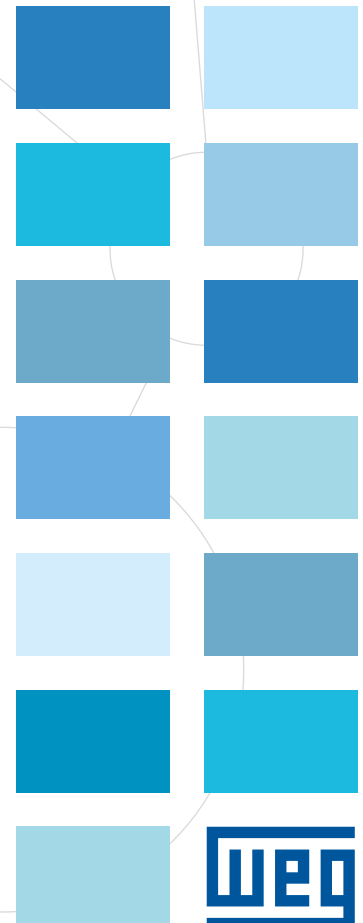


POLI W

Enamel for copper and aluminium wires



POLI W - Enamel for copper and aluminium wires



Polyesterimide (PEI) Enamel modified with THEIC

Recommended for application on high thermal class wires. Presents excellent chemical and electrical properties for manufacture of coiled products for transformers, hermetic motors and motors in general.

Product	% Solids	Brookfield Viscosity	Application
POLI W 180/38700 PEI *	36 ± 1 %	600 – 750 cps	Circular copper wires, nominal diameter 0.25– 2.00 mm. Dies
POLI W 180/36 PEI Green *	36 ± 1 %	600 – 750 cps	Circular copper wires, nominal diameter 0.25– 2.00 mm. Dies
POLI W 180/36 PEI *		600 – 700 cps	
POLI W 180/36 PEI SPECIAL *			
POLI W 180/38 PEI *	38± 1 %	500 – 600 cps	Circular copper wires, nominal diameter 0.15 – 1.50 mm; Dies
POLI W 180/37 PEI *	37 ± 1 %	400 – 500 cps	Circular copper wires, nominal diameter 0.25 – 2.00 mm. Felts and Dies
POLI W 180/33 PEI RG	33 ± 2 %	1100 - 1300 cps	Rectangular copper wires. Dies
POLI W 180/39 PEI *	38 ± 1%	700 – 800 cps	Thick circular copper wires, nominal diameter 1.32 - 3.26mm. Dies
POLI W 180/29 PEI *	29±1%	110 – 140 cps	Circular copper wires, nominal diameter 0.03 – 1.00 mm. Felts
POLI W E180/33 PEI *	33 ± 1 %	280 – 380 cps	Fine circular copper wires, nominal diameter 0.15 – 0.60 mm, degree 1 and 2. Dies

Weldable Polyurethane Enamel (PU)

Recommended for applications on class F/H wires for the electrical and electronic industry and coiled products in general. Presents excellent weldability and “pin-holes” test resistance.

Product	% Solids	Brookfield Viscosity	Application
POLI W 155/26 PU-SD Red	26 ± 1 %	80 – 100 cps	Circular copper wires, nominal diameter 0.03 – 0.80 mm, Degree 1 and 2. Felts.
POLI W 155/26 PU-SD	26 ± 1 %	80 – 100 cps	Circular copper wires, nominal diameter 0.03 – 0.80 mm, Degree 1 and 2. Felts.
POLI W 155/35 PU-SD	35 ± 1 %	400 – 500 cps	Circular copper wires, nominal diameter 0.355 – 1.50mm, Degree 1 and 2. Dies.
POLI W 180/35 PU-SD	33 ± 1%	480 – 580 cps	Circular copper wires, nominal diameter 0.10 – 1.5 mm; degree 1 and 2. Dies.
POLI W 180/23 PU-SD	22 ± 2%	50 – 60 cps	Circular copper wires, nominal diameter 0.03 – 0.40 mm; degree 1 and 2. Felts.

Polyvinylformal Enamel (PVF)

Recommended for application on thick and rectangular wires for manufacture of transposed cables and wires for transformers. Presents excellent mechanical and electrical properties and resistance to transformers oil.

Product	% Solids	Brookfield Viscosity	Application
POLI W 120/18 PVF	18 ± 2 %	1900 – 2500 cps	Thick circular copper wires; rectangular wires; dies

Polyamidimide Enamel (PAI)

Recommended for application on enameled wires, with overcoat function, providing wires with excellent mechanical properties and high thermal class increasing chemical resistance properties. Recommended for coils of hermetic motors and motors in general.

Product	% Solids	Brookfield Viscosity	Application
POLI W E200/32 PAI *	32 ± 1 %	600 – 800 cps	Circular copper wires, nominal diameter 1.32 mm Degree 1 and 2; dies
POLI W E200/38 PAI *	38 ± 1 %	1600 – 2200 cps	Circular copper wires, nominal diameter up to 5.0 mm and rectangular wires; dies
POLI W E200/26 PAI *	26 ± 2 %	150 – 220 cps	Circular copper wires, nominal diameter up to 0.30 mm. Felts

Weldable (SD) Polyesterimide Enamel (PEI)

Recommended for application on weldable wires of high thermal class. Presents excellent welding properties indicated to manufactures of coils for small motors and coiled products in general.

Product	% Solids	Brookfield Viscosity	Application
POLI W E180/37 PEI-SD *	37 ± 1 %	400 – 500 cps	Circular copper wires, nominal diameter 0.03 – 2.00 mm, Degree 1 and 2. Dies
POLI W E180/30 PEI-SD *	29 ± 1 %	90 – 110 cps	Circular copper wires, nominal diameter 0.03 – 1.00 mm, Degree 1 and 2. Felts

Modified selfbonding epoxy enamel

Recommended for application on rectangulars wires with PVF base for manufacturing transposed cables working as a selfbonding.

Product	% Solids	Brookfield Viscosity	Application
Enameling Epoxy Varnish	21 +- 2 %	2500-3100 cps	Rectangular wires. Dies

Polyimide Enamel

Recommended for application on thermal class 240°C circular copper wires. Provides high thermal resistance with high mechanical and electrical resistance even when submitted to high temperatures.

Product	% Solids	Brookfield Viscosity	Application
POLI W 240/12 PI	12 +-1 %	950-1500 cps	Circular copper wires. Dies

Paraffin lubricants for enameled wires

Recommended for application on enameled wires, increasing the resistance to friction in the electric coiled products production.

Product	% Solids
Lube W 10 (PARAFFIN)	0,30 – 0,70 %
Lube W 15 (PARAFFIN)	0,70 – 1,30 %
Lube W 17 (PARAFFIN)	1,30 – 1,70 %

Ester lubricants for hermetic enameled wires

Recommended for application on enameled wires, increasing the resistance to friction in the electric coiled products production in hermetic motors where refrigerating gas 1 4th is used.

Product	% Solids
Lube W E 10 (ESTER)	1 %
Lube W E 15 (ESTER)	1,5 %



* Certified product



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