



**We believe in the composites market of the future through the door of sustainable resins.**

## POLYESTER RESINS FOR GENERAL PURPOSE

	P100	Orthophthalic resin with good reactivity, good elongation, used for general purpose. Good mechanical characteristics, compatibility with roving and fillers wettability. Clear resin. Recommended for spray-up.
ORTHO	P106	Orthophthalic resin with medium-low reactivity and medium modulus. Controlled peak. Excellent fillers wettability.
	P130	Orthophthalic resin with medium reactivity. Good mechanical properties and roving wettability.
DCPD	P801	DCPD resin with medium reactivity used for general purpose. Low styrene content, excellent dimensional stability, good mechanical properties and roving compatibility. Recommended for spray up system.
	P805	DCPD resin with high reactivity. Low styrene content, excellent dimensional stability, mechanical properties, fillers wettability. Recommended for short working cycles.
ISO	P200	Isophthalic resin with medium reactivity and high modulus, good thermal and chemical resistance. Clear resin.

## POLYESTER RESINS FOR GELCOAT

ORTHO	P100 NGSL	Orthophthalic resin with good reactivity and modulus. Excellent colour stability and compatibility with fillers and pigments. UV stabilized resin.
ISO	P200 NGSL	Isophthalic resin with medium reactivity. Excellent chemical resistance and colour stability, UV stabilized. Good compatibility with fillers and pigments.

## POLYESTER RESINS FOR PASTES

STYRENE FREE RESIN	P166 N	Styrene free resin, ideal as carrier for pigments, with medium viscosity. Good absorbance of pigments and fillers. Good system compatibility. High stability.
	P167 LV	Styrene free resin, ideal as carrier for pigments, with low viscosity. Good absorbance of pigments and fillers. Excellent system compatibility. High stability.

## POLYESTER RESINS FOR BUTTONS

ORTHO	P114	Orthophthalic resin, medium reactivity, high transparency, controlled peak to avoid tensioning. Excellent brilliance. Available low or high viscosity. Recommended for pouring, for sheets and for transparent objects.
	P114 TSL	Orthophthalic resin medium reactivity, thixo, recommended for button-rods. Excellent UV resistance and dyes stability. Excellent brilliance.

## POLYESTER RESINS FOR SANITARY

ORTHO	P107	Resin recommended for bathtubs and showerplates, excellent PMMA adhesion, good fillers wettability and compatibility with roving. Low styrene content. Ideal for spray-up systems. Resin available in low emission grade (LSE).
DCPD	P807	Resin recommended for bathtub and shower-plate, excellent ABS adhesion, good fillers wettability and compatibility with roving. Excellent the dimensional stability. Ideal for spray up system. Resin available in low emission grade (LSE).
ORTHO	P198	Orthophthalic resin for pouring process. Recommended for toilet seats production. Excellent transparency, medium reactivity: controlled peak to avoid tensioning. Available version with low styrene emission (LSE).
ISO NPG	P255	ISO/NPG resin with good resistance to water and light chemicals. Resin with low shrinkage and good mechanical properties. It is recommended for solid surface application, available the version acrylic modified.



# ARES® performance guide

## POLYESTER RESINS FOR PANELS

ORTHO	P100	Orthophthalic resin with good reactivity recommended for flat and corrugated panels. High transparency. Good mechanical properties and compatibility with roving.
ORTHO DCPD	P900	Ortho/DCPD resin recommended for hand made panels. Good mechanical properties and compatibility with glass fibers. Resin with a controlled peak.
DCPD	P802	Resin for panels production with low shrinkage and high dimensional stability.

## POLYESTER RESINS FOR CHIPS

ORTHO	P108	Orthophthalic resin with medium reactivity, good mechanical resistance and excellent fillers wettability.
DCPD	P808	DCPD resin with medium reactivity, good mechanical resistance and dimensional stability. Excellent fillers wettability. Low styrene content.
DCPD FLEXIBLE	P308	Very flexible resin, with low peak and low styrene content. The polymerised resin is soft and dry. Recommended for chips to polish fragile and delicate surfaces.

## POLYESTER RESINS FOR POLYMER CONCRETE & CULTURED MARBLE

ORTHO	P106	Orthophthalic resin with low-medium reactivity, good mechanical and high wetting properties.
DCPD	P802 NR	Resin for polymer concrete with high dimensional stability and good wetting of fillers.
	P805 N7	DCPD resin with high reactivity and excellent dimensional stability, excellent adhesion and wetting properties. Ideal for short working cycle.

## POLYESTER RESINS FOR ARTIFICIAL MARBLE

DCPD	P805 N20	DCPD resin with medium-high reactivity with excellent dimensional stability and wetting of fillers. It is recommended for blocks.
	P809	DCPD resin with good reactivity, high dimensional stability and fillers wettability. It is recommended for slabs and tiles.

## POLYESTER RESINS FOR RTM

ORTHO	P140	Orthophthalic resin with low reactivity and low viscosity recommended for RTM. Good mechanical and wetting properties. Clear resin.
DCPD	P802	DCPD resin with medium reactivity and low viscosity. Low styrene content, good dimensional stability and compatibility with roving. It is recommended for presses process.

## POLYESTER RESINS FOR TANKS & PIPES

ORTHO DCPD	P900	Orthophthalic-DCPD resin for filament winding application with good mechanical properties and compatibility with roving.
DCPD	P805	DCPD resin with low monomer content, high modulus, very low shrinkage and good compatibility with roving. Recommended for f.w. in big dimensions.
ISO	P200	Isophthalic resin with excellent mechanical, chemical and thermal properties.
ISO DCPD	P955	Resin ISO/DCPD with low styrene content, high modulus, low shrinkage. Recommended for pipes.
ISO NPG	P305	ISO/NPG resin with medium reactivity, excellent, chemical and thermal resistance.

# ARES® performance guide

## POLYESTER RESINS FOR PULTRUSION

ORTHO	P133	Orthophthalic resin with medium reactivity, excellent mechanical properties and compatibility with roving and fillers.
ORTHO	P180	Orthophthalic resin with high reactivity, excellent mechanical properties and compatibility with roving and fillers.
DCPD	P803	DCPD resin with high reactivity, good dimensional stability and compatibility with roving.
ISO	P203	Isophthalic resin with high reactivity. Excellent mechanical, chemical and thermal properties.

## ECOARES RESINS (styrene free resin) AND RESINS WITH LOW STYRENE CONTENT

ECOARES	Acrylic modified polyester resin totally styrene free, with good processability, good reactivity and good mechanical properties.
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## RESINS FOR PUTTIES

ORTHO	P144 N6	Clear resin for putties and mastics. Good adhesion on marble. Good fillers wetting. Low exothermic peak and low shrinkage.
ORTHO	P100 A12	Very clear resin for putties. Resin accelerated with special clear accelerator.
DCPD	P805 N7	DCPD resin for putties and adhesives. Good adhesion on marble - low shrinkage. Very good wetting of fillers
DCPD	P825 N7	DCPD resin for car body putties. Good adhesion on metal . Good wetting of fillers and low shrinkage. It gives a tack-free surface.

## EPOXY VINYLESTER RESINS

V3010	Epoxy based resin with high mechanical properties and excellent chemical resistance.
V3018	Vynilester modified resin with good reactivity and high dimensional stability.

## SPECIAL RESINS

P500	Polyester resin with high transparency and excellent weathering properties.
P114 ASL15	Resin with high transparency cured with mixed systems UV + peroxide.
P180 LP	Resin with high reactivity that expands its volume during curing. Used for chemical anchors.
P800 TA30PS	Resin with very low styrene content for laminating on Polystyrene.
P822 NH	Resin with low styrene content for laminating on PVC.
P800 NH	Resin with very low styrene content for laminating on PVC.
P300 N20	Resin with high flexibility to improve elongation. It gives a tack-free surface.
P305 NSL	ISO-neopentilic resin, UV stabilized. High performances in chemical resistance and colour stability.
P255 N15	ISO/NPG clear resin with very good wetting of pigments and fillers. Good resistance to water and light chemicals.

## FIRE RETARDANT RESINS

**ARES® FR**  
With different levels of classification.  
Technical data sheets available on request.

**ARES® FR** filled  
**ARES® FR** clear

**ARES® FR** halogenated  
**ARES® FR** halogen free



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