

PLASTISOL®





Plastisol® is a thixotropic, omogeneous, ready to use PVC dispersion in a liquid plasticizer. The transformation of a Plastisol® in a finished product takes place by heat treatment. The complete polymer dissolution occurs at temperatures between 140 and 180°C; after the cooling step, a solid product is obtained with significant physical and mechanical fastness.



The possibility of achieving high transparency and the development of color systems have opened countless fields of application to Plastisol®. Color systems extend from the whole color range of full, shiny colors with semi-transparent effects up to metallic effects. Formulation variations allow to cover a wide range of physical and mechanical fastnesses. Plastisols® are available with characteristics of high flexibility and softness or excellent hardness and rigidity.

PLASTISOL® SERIES

PLASTISOL® L100

PVC dispersion in phthalic plasticizer. Available in neutral/transparent or colored versions. Medium hardness values (Shore) and elasticity.

PLASTISOL® L113

PVC dispersion in phthalic plasticizer. Available in neutral/transparent or colored versions. High hardness values (Shore) and good elasticity.

PLASTISOL® L120

PVC dispersion in phthalic plasticizer. Available in neutral/transparent or colored versions. High flexibility and softness properties (non-slip effect).

PLASTISOL® L104 - phthlate free

PVC dispersion in non-phthalic plasticizer. Available in neutral/transparent or colored versions. Medium hardness values (Shore) and elasticity.

PLASTISOL® L114 - phthlate free

PVC dispersion in non-phthalic plasticizer. Available in neutral/transparent or colored versions. High hardness values (Shore) and good elasticity.

PLASTISOL® L124 - phthlate free

PVC dispersion in non-phthalic plasticizer. Available in neutral/transparent or colored versions. High flexibility and softness properties (non-slip effect).

PLASTISOL® RV256

PVC dispersion in phthalic plasticizer. Available in neutral or colored versions. Specifically developed for coatings of metal objects. High resistance properties and good flexibility.

Our Plastisol® series are formulated to fulfill the specific eligibility requirements of finished products according to current regulations.

- Regulation CE n. 1907/2006 (REACH)
- Regulation CE n. 1935/2004; Regulation UE n. 10/2011 and following amendments
- Code of Federal Regulations, CFR, cap 21, sez 170-199 (FDA)
- Guideline 2009/48 CE

Plastisol® is a Registered Trademark of ICAP-SIRA Chemicals and Polymers S.p.A.



MAIN USES

- Manufacturing of plastic items
- Protective coatings (antiwear, anticorrosion, ecc.)
- Lamination for fabrics, synthetic materials, etc.

APPLICATIONS

- Coatings
- Serigraphy
- Dip coating
- Moulding
- Rotational moulding
- Dip moulding

COLORING WITH IRSEPLAST™

Concentrated pigment dispersions in plasticizers (phthalic or non-phthalic) suitable for coloring plastisols (and PVC in plasticizers). Wide color range and special effects available. Shining full colors, semi-transparent effects, fluorescent colors, metal effects. Our Lab is available for assistance and color matching upon request.

SERIE IRSEPLAST™

COLOR INDEX	PIGMENT	* COLOR
P.WHITE 6	titanium dioxide	
P.BLACK 7	carbon black	
P.BLACK 11	iron oxides	
P.YELLOW 13	organic	
P.YELLOW 42	iron oxides	
P.YELLOW 83	organic	
P.YELLOW 128	organic	
P.ORANGE 34	organic	
P.RED 48:2	organic	
P.RED 101	iron oxides	
P.RED 122	organic	

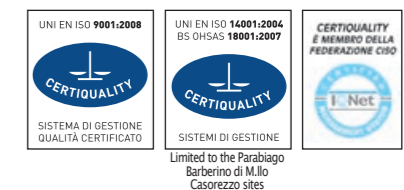
COLOR INDEX	PIGMENT	* COLOR
P.RED 185	organic	
P.RED 208	organic	
P.RED 221	organic	
P.RED 254	organic	
P.VIOLET 19	organic	
P.VIOLET 23	organic	
P.GREEN 7	organic	
P.BLUE 15:1	organic	
P.BLUE 15:3	organic	
P. BLUE 29	ultramarine blue	
BRUNI OX FE	iron oxides	

*Colors are only indicative

IRSEPLAST™ is a Trademark of ICAP-SIRA Chemicals and Polymers S.p.A.

ICAP-SIRA Chemicals and Polymers S.p.A. can provide the following support services:

- Study and development of products according to specific requirements;
- Supply of samples for lab and industrial trials upon request;
- Study and development of new products, new colors, new effects;
- Technical assistance at your sites for product fine tuning.





Via F. Corridoni, 19
20015 Parabiago - MILANO - ITALY

Phone: +39 0331 496111

Fax: +39 0331 495005

text-it@icapsira.com

www.icapsira.com

www.plastisol.it

