

ROMBEST® masterbatches

COLOR MASTERBATCHES FOR WIRE & CABLE APPLICATIONS

TECHNICAL INFORMATION

ROMBEST® PVC and PO color masterbatches are used for the mass coloration of power or telecommunication wire and cables made of plasticized-PVC or PE (LD, HD or XLPE) respectively.

They contain special pigments and additives perfectly dispersed in an appropriate carrier resin (PVC-p or LLDPE). Optimum dispersion provides flawless cable surface, ensuring constant dielectric properties. Pigments used combine appropriate heat resistance, light fastness and dielectric properties.

ROMBEST® PO masterbatches can be used for solid PE telecommunication cables. Special formulations for skin foam telecommunication cables, with minimum thickness of 0,15 mm, as well as for XLPE power cables can be produced upon request.

ROMBEST® PVC and PO standard range of color masterbatches meets RAL international color standards. Color shades according to IEC 304 can be developed upon request.

ROHS complying matserbatches for wire & cable applications for the most common RAL shades are also available.

STANDARD RANGE FOR PE CABLES

ROMBEST	RAL NUMBER	HEAT RESISTANCE	LIGHT FASTNESS	ACC TO 2002/95/EC (ROHS)	DIARYLIDES FREE
White PO 71013	1013	300	8	YES	YES
Yellow PO 11460	1021	200	6	YES	NO
Orange PO 21974	2003	220	6	YES	NO
Red PO 73000	3000	240	6	YES	YES
Violet PO 74005	4005	220	5	YES	YES
Blue PO 75012	5012	260	7	YES	YES
Blue PO 75015	5015	260	7	YES	YES
Green PO51159	6018	200	6	YES	NO
Green PO51160	6027	200	6	YES	NO
Grey PO 77000	7000	260	7	YES	YES
Brown PO 71982	8003	260	8	YES	YES

STANDARD RANGE FOR PVC CABLES

ROMBEST	RAL NUMBER	HEAT RESISTANCE	LIGHT FASTNESS	ACC TO 2002/95/EC (ROHS) (*)	DIARYLIDES FREE (**)
White PV81013	1013	260	5	Yes	Yes
Yellow PV11415	1021	200	6	Yes	No
Orange PV20953	2003	200	4	Yes	No
Red PV83000	3000	200	4	Yes	Yes
Violet PV84005	4005	250	6	Yes	Yes
Blue PV85010	5010	260	8	Yes	Yes
Blue PV85012	5012	260	8	Yes	Yes
Blue PV85015	5015	260	8	Yes	Yes
Green PV86010	6010	200	6	Yes	No
Green PV86018	6018	200	6	Yes	No
Green PV86024	6024	200	6	Yes	No
Green PV86027	6027	300	8	Yes	Yes
Grey PV87000	7000	260	8	Yes	Yes
Grey PV87001	7001	260	8	Yes	Yes
Grey PV91711	7032	200	6	Yes	No
Grey PV87035	7035	300	8	Yes	Yes
Grey PV87037	7037	300	8	Yes	Yes
Brown PV71955	8003	200	6	Yes	No
Black PV89005	9005	300	8	Yes	Yes
Black PV89006	9005	300	8	Yes	Yes
White PV89010	9010	300	8	Yes	Yes

Heat Resistance (°C) according to ISO R 105/I/Part 2. The highest temperature in which a pigmented sample withstands a dwell time of 5 min in the barrel of an injection-molding machine without significant color change.

Light Fastness according to ISO R879, blue-wool scale 1-8, where 1: Very poor, 8: Excellent.

(*) The pigments and additives included in the formulation comply with 2002/95/EC (ROHS standard).

(**) The pigments included in the formulation are diarylide free.