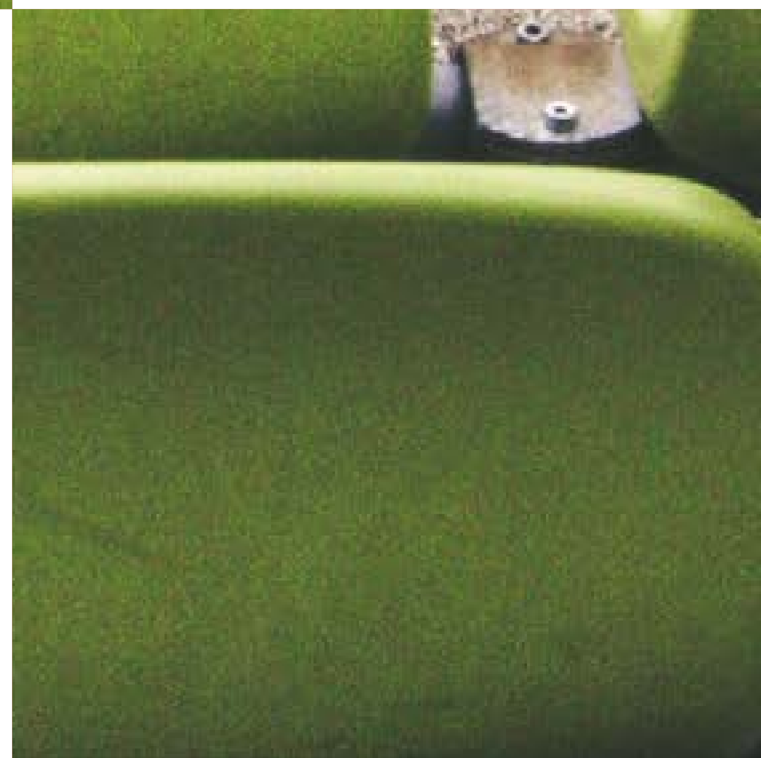


HIGHCHEMIE

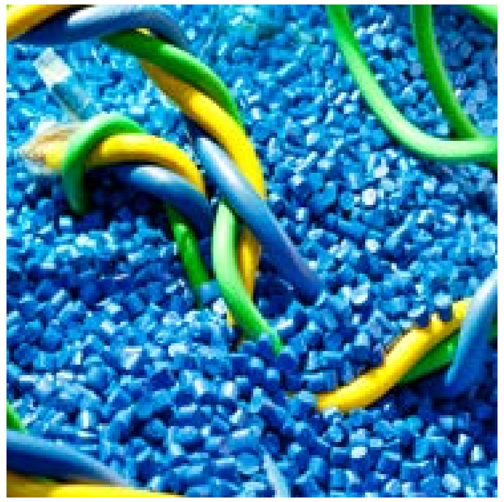
PLÁSTICOS
PLASTICS

DISPERHIC - P/PO, DISPERHIC - C, DISPERHIC - PE & DISPERHIC P-SIL

DISPERHIC - P/PO

Los concentrados de color DISPERHIC P, es una gama dispersada en base plastificante y aditivos compatibles con la mayoría de polímeros plásticos. Las concentrados de color DISPERHIC PO, es una gama dispersada en poliol y aditivos compatibles con la mayor parte de poliuretanos y poliureas sin disolventes. Especialmente indicado para el sector de las espumas de poliuretano.

DISPERHIC P color concentrates are a dispersed range based on plasticizer and additives compatible with most plastic polymers.
DISPERHIC PO color concentrates are a range dispersed in polyol and additives compatible with most polyurethanes and polyureas without solvents. Especially suitable for the polyurethane foam sector.



DISPERHIC - C

DISPERHIC C es una tecnología para colorear poliuretanos. Esta gama de colorantes líquidos, están solubilizados en un vehículo reactivo con lo que se consigue un buen anclaje del colorante en el poliuretano.

DISPERHIC C is a technology for coloring polyurethane and thermoset resins. This range are 100% homogeneous liquids that are soluble in polyol and will not settle over time.

DISPERHIC - PE

Nueva generación de pastas pigmentadas para gelcoats de elevadas propiedades químicas y físicas . La gama DISPERHIC PE están dispersadas en resina de poliéster libre de estireno, consiguiendo aumentar la vida del producto y así poder utilizar dicha gama en sistemas tintométricos.

New generation of pigment pastes for gelcoats , with a high chemical and physical properties. The DISPERHIC PE range is dispersed in styrene-free resin, managing to increase the life of the product and as a consequence tintometric systems can be made.

DISPERHIC P-SIL

Colorantes altamente concentrados dispersados en aceite de silicona y especialmente aditivados, compatibles entre si, se pueden mezclar para conseguir infinitas posibilidades de color, evitando los problemas derivados de la mala homogeneización de los pigmentos en polvo.

Highly concentrated dyes dispersed in silicone oil and especially additives, compatible between them, can be mixed to achieve infinite color possibilities, avoiding problems derived from poor homogeneity of pigments in powder

HIGHCHEMIE
PLÁSTICOS / PLASTICS
DISPERHIC - P/PO, DISPERHIC - C, DISPERHIC - PE & DISPERHIC P-SIL

DISPERHIC-P/PO

APPLICATIONS & DOSAGE

Of pigment pastes **DISPERHIC-PO** in polyurethane systems

The range of pigment pastes, DISPERHIC-PO, offer excellent performance to be incorporated into the foaming system. Giving a bright and vivid color to the foam.

APPLICATION SECTORS

· Automotive systems
· Insulation in construction
· Foams for shoes
· Mattress industry
· Paving and projection polyurea.

When our goal is to color polyurethane system, we must know what process will be used to incorporate color. There are several methods but, to first order, we can distinguish the pigment incorporation by injection, or extrusion using a metering machine. Injection is often used in the footwear industry and automobile, whilie extrusion is common to most coloring plastics. In these cases a pre-mechanical process is followed in the machine dispenses the programmed amount of pigment, of the polyol, and then mixed with the isocyanate prior to forming the foam molding material.

PRODUCTO Product COLORANTS DISPHERHIC - PO	Color index %CONC	Resistance to ultraviolet rays		Resistance to the exterior		Alkali resistance	Acid resistance	Density g/cc
		Tono lleno Full Tone	Degrade	Tono lleno Full Tone	Degrade			
BLANCO DISPERHIC PO-6 140055	PW 6 50%	8	-	5	-	5	5	1,8
AZUL DISPERHIC PO-52 140100	PB 15:2 15%	8	7-8	5	5	5	5	1,1
VERDE DISPERHIC PO-7 1400991	PG 7 15%	8	7-8	5	5	5	5	1,1
AMARILLO DISPERHIC PO-42 140097	PY 42 50%	8	8	5	5	5	5	1,754
ROJO DISPERHIC PO-101 140081	PR 101 60%	8	8	5	5	5	5	1,99
AMARILLO DISPERHIC PO-74 140102	PY 74 15%	7-8	7 - 6	5	4 - 3	5	5	1,15
AMARILLO DISPERHIC PO-83 140101	PY 83 15%	7-8	7 - 6	5	4 - 3	5	5	1,167
ROJO DISPERHIC PO-571 140098	PR 571 15%	7	6 - 5	6	3	4 - 5	4 - 5	1,15
NEGRO DISPERHIC PO 99430 140598	PBK 7 35%	8	8	8	5	5	5	1,2
NARANJA DISPERHIC PO-135 140994	PO 13 15%	6 - 7	6	6	3	4 - 5	4 - 5	1,1
VERDE DISPERHIC PO-17 140055	PG 17 50%	8	8	8	5	5	5	1,9
VIOLETA DISPERHIC PO-23 140118	PV 23 12%	8	8	8	5	5	5	1,1
NEGRO DISPERHIC PO-F150 110456	PBK 7 22%	8	8	8	5	5	5	1,2
NEGRO DISPERHIC PO-7107	PBK 7 35%	8	8	8	5	5	5	-

DISPERHIC-P PASTES

General information

The **DISPERHIC-P** pigment pastes dispersed on a plasticizer and containing additives compatibles with the most of polymeric plastic systems.
The **DISPERHIC-P** pastes are compatible with polyestes, polyether, plastisol, polyurethane and polyolefin (PE, PP, PS, PVC, PET...)

It has been produced with a range of selected pigments with very good light and outdoor stability, which ensures a good performance for any system formulated with **DISPERHIC** pastes.

Another way to work polyurethane systems Is in the same place.Where the final product will be applied. In this casw, must be used mobile machines for dosing and mixing of the components used. There are two types of processes to implement in the same place: screening and washing. Dosing of pigment paste in total mixture system, can range between 2% and 5%, depending on the type of application, or the desired color intensity.

PRODUCTO Product COLORANTS DISPHERHIC - P	Color index %CONC	Resistance to ultraviolet rays		Resistance to the exterior		Alkali resistance	Acid resistance	Density g/cc
		Tono lleno Full Tone	Tono rebajado Lowered Tone	Tono lleno Full Tone	Tono rebajado Lowered Tone			
AZUL DISPERHIC P-153/66 - 114094	PB:15:3 20%	7-8	7	5 - 4	4	5	5	1,1
VERDE DISPERHIC P-7 TP - 06140426	PG 7 25%	7-8	7	5 - 4	4	5	5	1,2
VERDE DISPERHIC P-17 TP - 06140427	PG 17 50%	8	8	5	5	5	5	1,9
AMARILLO DISPERHIC P-184/93 - 06140381	PY 184 55%	8	8	5	5	5	5	1,7
AMARILLO DISPERHIC P-155 - 140246	PY -155 20%	8	7	5	4	5	5	1,1
AMARILLO DISPERHIC P-139 TP - 06140448	PY 139 15%	8	7	5	4	5	5	1,1
AMARILLO DISPERHIC P-42/815 - 06140183	PY42 50%	8	8	5	5	5	5	1,7
NARANJA DISPERHIC P-73/HT - 140384	PO73 20%	8	7	5 - 4	4	5	5	1,1
ROJO DISPERHIC P-254/95 - 061400612	PR 254 27%	8	7	5 - 4	4	5	5	1,1
ROJO DISPERHIC P-101 TP - 06140420	PR-101 70%	8	8	5	5	5	5	1,1
MAGENTA DISPERHIC P-122/86 - 06114025	PR 122 15%	8	7	5 - 4	4	5	5	1,1
VIOLETA DISPERHIC P-23 TP - 06140469	PV 23 8%	8	7	5	4	5	5	1,1
NEGRO DISPERHIC P-142 TP - 06140484	PBK7 25%	8	8	8	5	5	5	1,2
NEGRO DISPERHIC P-11 TP - 06140466	PBK 7 35%	8	7 - 8	5	4	5	5	1,2
BLANCO DISPERHIC P-6/076 - 06114039	PW 6 70%	8	8	5	5	5	5	1,8
BLANCO DISPERHIC P-6/45 - 06140108	PW 6 45%	8	8	5	5	5	5	1,7
AZUL DISPERHIC P-152 TP - 06140421	PB 15.2 20%	8	7	5	4-5	5	5	1,7

DISPERHIC C
LIQUID COLORANTS FOR POLYURETHANE

DISPERHIC C are a technology for coloring polyurethane and thermoset resins. This range are 100% homogeneous liquids that are soluble in polyol and will not settle over time. **DISPERHIC PO** are dispersions of solids particules (pigments) in a liquid Carrier.

ADVANTAGES:

- High color strength : typically 2-4 times stringer tan pigments.
- Cost effective
- Our color matching experts can formulate the most economical blends of primary colors.
- Short color transitions because of the high polyol solubility of the colorants.
- Eliminates problems such as voids, cracks , and slow rise times, often seen with a high dosage levels of pigments.
- Dosage levels required to achieve very dark colors are possible without effecting the physical properties of the foam or resin.
- Non-migrating , Colorant reacts into the polyurethane matrix regardless of color Depth , and locked in it will not extract.
- Proper introduction of these low viscosity, highly soluble colors, will help reduce streaking problems in polyuretane applications.
- DISPERHIC C - Reactint colorants are free of heavy metals.
- Easy clean-up , cold water.
- Easy Dosage, very low viscosity.

APPLICATION SECTORS:

- Automotive
- Furniture
- Polyuretane foams
- Composites
- Footwear
- Mattress industry

PRODUCTO Product DISPERHIC - C	Color index %CONC	Solidez a la luz Light fastness: Tono lleno Full Shade	Solidez a la luz Light fastness: Tono rebajado Pale Shade	Heat stability
AMARILLO DISPERHIC C-160 FL210518	BLEND	6	5	>250ºC
NARANJA DISPERHIC C-62C 140294	SO209	6	5	>250ºC
ROJO DISPERHIC C-12216 FL 210522	BLEND	6	5	>250ºC
ROJO DISPERHIC C-122 B 210515	SR122	6	5	>250ºC
ROJO DISPERHIC C-196 FL 210520	SR196	6	5	>250ºC
AZUL DISPERHIC C-623 210737	SB5	6	5	>250ºC
AZUL DISPERHIC C-606 114509	SB70	6	5	>250ºC
VERDE DISPERHIC C-5 FL 210519	BLEND	6	5	>250ºC
VERDE DISPERHIC C-7427 140184	BLEND	6	5	>250ºC
VIOLETA DISPERHIC C-59 210310	SV59	6	5	>250ºC
NEGRO DISPERHIC C.840/16 210310	SBK29	6	5	>250ºC
NEGRO DISPERHIC C 27 210310	SBK27	6	5	>250ºC

HIGHCHEMIE
PLÁSTICOS / PLASTICS
DISPERHIC - P/PO, DISPERHIC - C , DISPERHIC - PE & DISPERHIC P-SIL

DISPERHIC PE

New generation of pigmented pastes for gelcoats, with high chemical and physical properties. The **DISPERHIC PE** range is dispersed in styrene-free polyester resin, managing to increase the life of the product and as a consequence tintometric systems can be made

	PRODUCTO Product DISPERHIC - PE	C.I	% Pigmento % Pigment	Solidez a la luz Light fastness		Heat fastness 30 min
				Tono lleno Full Shade	Tono rebajado Pale Shade	
	BLANCO DISPERHIC PE-6	PW-6	72	8	8	>500ºC
	BLANCO DISPERHIC PE-6/45	PW-6	50	8	8	>500ºC
	NEGRO DISPERHIC PE-11	PBK-11	60	8	8	180ºC
	NEGRO DISPERHIC PE-11 HT	PBK-33	60	8	8	>500
	NEGRO DISPERHIC PE-7	PBK-7	15	8	8-7	250ºC
	AMARILLO DISPERHIC PE-42	PY-42	50	8	8	160ºC
	AMARILLO DISPERHIC PE-154	PY-154	25	8	8	160ºC
	AMARILLO DISPERHIC PE-151	PY-151	25	8	7	160ºC
	AZUL DISPERHIC PE-OXIDO	MIX	50	8	8	150ºC
	AZUL DISPERHIC PE-5015	MIX	50	8	8	150ºC
	NARANJA DISPERHIC PE-73	PO-73	15	8	8-7	150ºC
	ROJO DISPERHIC PE-101	PR-101	50	8	8	160ºC
	ROJO DISPERHIC PE-254	PR-254	20	8	7	180ºC
	ROJO DISPERHIC PE-122	PR-122	15	8-7	7	160ºC
	VERDE DISPERHIC PE-17	PG-7	50	8	8	>500ºC
	VERDE DISPERHIC PE-OXIDO	PG-7	50	8	8-7	150 ºc
	VIOLETA DISPERHIC PE-23	PV-23	6	8-7	7	160ºC

DISPERHIC P-SIL

LIQUID COLORS FOR SILICONES

	PRODUCTO Product DISPERHIC P-SIL	C.I	% PIGMENTO % Pigment	Solidez a la luz Light fastness		Heat fastness 30 min
				Tono lleno Full Shade	Tono rebajado Pale Shade	
	BLANCO DISPERHIC P-SIL 6 - 6140108	PW-6	50,8	8	8	>500ºC
	NEGRO DISPERHIC P-SIL 7 - 6140484	PBk-7	20,5	8	7-8	250ºC
	NEGRO DISPERHIC P-SIL 11 - 6140466	PBk-11	42,7	8	8	180ºC
	AZUL DISPERHIC P-SIL 152 - 6140421	PB-15:2	16,0	8	7-8	160ºC
	AMARILLO DISPERHIC P-SIL 184 - 6140381	PY-184	28,0	8	8	160ºC
	AMARILLO DISPERHIC P-SIL 139 - 6140245	PY-139	21,8	8	7	160ºC
	AMARILLO DISPERHIC P-SIL 42 - 6140183	PY-42	50,0	8	8	160ºC
	NARANJA DISPERHIC P-SIL 73 - 6140470	PO-73	25,0	8	8	160ºC
	ROJO DISPERHIC P-SIL 122 - 6114025	PR-122	19,0	7-8	8	160ºC
	ROJO DISPERHIC P-SIL 101 - 6140420	PR-101	65,0	8	8	160ºC
	ROJO DISPERHIC P-SIL 254 - 6140285	PR-254	28,0	8	8	160ºC
	VERDE DISPERHIC P-SIL 7 - 6140426	PG-7	17,0	8	7-8	160ºC
	VERDE DISPERHIC P-SIL 17 - 6140427	PG-17	55,0	8	7-8	150ºC
	VIOLETA DISPERHIC P-SIL 23 - 6140469	PV-23	5,0	6	7-8	160ºC

HIGHCHEMIE
PLÁSTICOS / PLASTICS
DISPERHIC - P/PO, DISPERHIC - C, DISPERHIC - PE & DISPERHIC P-SIL

Pol. Ind. Santa Margarita
C/ Pisuerga, 20
Aptdo de correos nº 188
08223 Terrassa
Barcelona, Spain

Telf.: 93 747 11 99
Fax.: 93 747 46 03

admin@highchemie.com

www.highchemie.com

HIGHCHEMIE