









# MASTERLINE 311

## TECHNICAL DATA SHEET

Shade	Code	Description	Color Index	Content* %	Light** Fastness		Weather** Fastness		Specific* Gravity gm/c <sup>3</sup> ±0.05	Vis.* (Poise) @30°C	Heat* Stability (°C)
					Full	Reduced	Full	Reduced			
	Blue-311	Phthalo Blue	P.B. 15:3	25	8	8	5	5	1.06	10-20	200
	Green -311	Phthalo Geen	PG.7	28	8	8	5	5	1.13	10-20	200
	Black-311	Carbon Black	PBk. 7	30	8	8	5	5	1.12	10-20	200
	Red-311	Fast Red	PR 48:2	20	6	5	4	3-4	1.11	10-20	200
	Yellow G-311	Greenish Yellow	PY 14	20	6	5-6	4-5	4	1.04	15-30	180
	Orange-311	Orange G	PO 13	25	5	4-5	3-4	3	1.06	15-30	200
	Yellow R-311	Reddish Yellow	PY.13	20	6	6-7	4	3-4	1.04	15-30	200
	Violet-311	Dioxazine Violet	PV.23	20	7	6-7	4	4	1.03	10-20	200

\*Guidance figures only and may differ since the colorants are adjusted on their colorimetric properties.

\*\*Information given by pigment supplier - For guidelines only -

Customers are encouraged to conduct their own tests.

This information is proposed without warranty, representation, inducement or license of any kind including.

It is made following the best TSC knowledge or obtained from sources believed to be accurate, and does not assume any legal responsibility.

For more information please see Safety Data Sheet.



P.O.Box 3250, Khamis Mushayt 61961, Saudi Arabia  
 Tel: +966 7 238 8000 Fax: +966 7 238 2561  
 info@tscolor.com www.tscolor.com



# MASTERLINE 311

With thorough research and years of invaluable experience, we, at Tinting Systems Company, have developed our latest range of standard pigment paste colorants for PU foam called MASTERLINE 311. This range of colorants are specially developed to improve the properties and the aesthetic value of the flexible slab stock foam. With special formulation and exceptional properties, makes MASTERLINE 311 an excellent choice for cost effective modern In-plant coating.

## Remarkable Properties

With extensive tests and wide research, we have developed this product not merely to satisfy customer demands, but to protect the natural properties of the foam. These pigment pastes have a highly concentrated formulation that reduces usage and saves In-plant coloring costs. Along with this, it provides deep color saturation and consistent coloring to the PU foam. The recommended color dosage is 0.1 to 5% of the total system weight. Moreover, these are easy to use single colorant. They combine in any ratio and proportion with each other to give a seamless blend of a plethora of colors and shades. MASTERLINE 311 has the capability to deliver a dramatic and vivid color when mixed at higher proportions. This is aided by the fact that they have excellent color dispersion and consistency.

## Salient Features

MASTERLINE 311 pigment pastes have been specially developed for Polyurethane foams or PU foams. They impart color to these foams with maximum dispersion and retention without exhibiting any detrimental effects on their chemical or structural composition. They retain the air-to-solid matter ratio, thickness of the dodecahedron cells, the concentration of the cell membranes and the non-hazardous properties of the foam. Therefore, these colorants are able to generate any given shade along with conferring homogeneity, brilliance, color intensity as well as the elasticity of the material.

## Applications

MASTERLINE 311 colorants are ideal for producers of PU foam, high-density foam, lux foam, high resilience foam, supreme foam, dry fast foam, Automotive foam, Marine foam, Mattresses, High quality seating applications, footwear and slab stock foam etc.

## Benefits

- Easy to use, single component colorant
- Concentrated high efficiency formula
- Excellent dispersion and color consistency
- Lead free, non-toxic, non-carcinogenic
- Has no impact on the properties of the foam
- Based on non-hazardous plasticizers

At Tinting Systems Company, we offer comprehensive customer service to enhance the performance of our products. We carry out a myriad of tests to check for properties of our colorants and the effects that they seem to have on the products.

After the foam has been manufactured, it is kept into an oven to test for the effects on its ageing properties, which are found to be enhance with the use of MASTERLINE 311. Apart from accentuating the ageing properties, these colorants also provide comprehensive protection from chemical and physical exposure. These high concentration colorants are free of environmentally detrimental chemicals like lead and other toxicities.