



Pre Coloured RoHS Complied Virgin and Green Regenerative Compounds 精密着色RoHS认证新料和环保再生塑料

Spectroblend® Precoloured unfilled resins is one our company specialty. We have the flexibility to colour most of the commercially available commodity and engineering thermoplastic such as PP, PE, ABS, HIPS, PC, NYLON, PC/ABS, PBT etc. We have one of the widest range of premium heat and colour stable pigments and dye selection which creates an attractive full spectrum of colour selection for our customers aesthetic requirement. Among some of the choices are opaque, translucent, metallic, silver and marble selection.

Due to increasing environmental awareness with the need for immediate attention to save our earth from catastrophic disaster, we have also developed green regenerative materials for our customers' corporate green image and EPEAT participation.

Most of our colour matching technical team has more than 15 years experience in the colour matching industries which imply fast and accurate colour matching for today's dynamic product design. In addition, we have over thousands of successfully matched library of colours for our customer to choose from. All matching is done by human experience as well as our advanced colour matching spectrophotometer and software.

Features:

- Stable Colour
- Heat Resistant Colour
- Abundance Colour Choices
- RoHS Complied

Applications:

- Printers Housing
- Remote Control Housing
- Home Appliances Housing
- Air Conditioning Casing
- Computer Monitor Frame

Spectroblend®预着色通用塑料和工程塑料纯树脂乃本公司的专长之一，我们的技术人员拥有丰富的经验以便可以着色大部分的通用塑料和工程塑料，如 PP、PE、ABS、HIPS、PC、Nylon、PC/ABS、PBT等。本公司拥有种类繁多的热稳定和色泽稳定的颜料和色粉，以便可以为客户提供量身定制的颜色以满足客户的产品外观需求。本公司可提供多种独特的颜色效果，如不透光、半透明、金属粉、银粉和大理石效应等。

随着人类对立即拯救地球灾难的环境意识的日益加深，针对客户的绿色理念和EPEAT认证的需求，我们也开发了绿色可再生塑料以便可以满足客户的绿色企业形象和满足客户参与的EPEAT需求。

我们的配色技术人员大部分都拥有超过15年的配色经验，以便可以为我们的客户在最短的时间配出客户指定的颜色以应付现今充满活力的新市场。本公司拥有上千种颜色档案在我们配色数据库里以便可以任客户选择，所有的配色都是靠经验、先进的电脑数据和软件成功配置而成。

特点：色泽稳定持久，色彩耐热，颜色种类多，RoHS认证。

应用：打印机外壳，遥控器外壳，家电外壳，空调外壳，电脑显示器外壳等。





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Plastic Technologies Enlighten Life
www.cipcresin.com

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	TYPICAL PROPERTIES	ASTM TEST METHOD	UNITS	PP-1200	PP-1300	PP-1400	PP-1500	PP-1700	ABS 850	ABS 900	HIPS 700	HIPS 750
				Medium Flow	Medium flow	Intermediate	High flow	Medium Flow	Medium-High Flow	Medium Flow	Medium Flow	Medium Flow
	Feature(特性)			Impact Copolymer	homopolymer	Impact	Impact Copolymer	Block Copolymer				
	MECHANICAL / 机械性能											
1	Tensile Strength / 拉伸强度	D638	MPa	23-25	28-30	26-27	25	22	39-43	36-42	26-28	25-27
2	Elongation At Yield / 屈服伸长率	D638	%	9-11	8-10	10-11	11	-	-	-	-	-
3	Elongation at Break / 断裂伸长率	D638	%	-	-	-	-	180	48-53	25-30	43-48	43-48
4	Flexural Modulus / 弯曲模数	D790	MPa	1050-1150	1400-1500	950-1000	1170	1100	2253-2490	2000-2150	2000-2100	1800-1900
5	Notched Izod Impact Strength @ 23°C, 3.2mm Thickness 缺口冲击强度	D256	J/m	90-100	35-40	118-121	66	75	180-200	180-200	70-80	75-83
	PHYSICAL / 物理性能											
1	Specific Gravity / 比重	D792	g/cm3	0.91	0.91	0.91	0.92	0.92	1.06	1.06	1.04	1.04
2	Melt Flow Index / 熔融指数	D1238	g/10min	7-9	11-13	4.0-4.5	27	10	26-28	22-26	5-7	6-8
3	Mold Shrinkage/ 成型收缩率	D955	%	1.3-1.8	1.3-1.8	1.3-1.8	1.3-1.8	1.3-1.8	0.3-0.6	0.3-0.6	0.4-0.7	0.4-0.7
	THERMAL / 热性能											
1	Heat Deflection Temp@0.45 MPa (66psi) Heat Deflection Temp@1.82 MPa (264psi) 热变形温度	D648 D648	°C °C	85-88 -	97-98 -	92-93 -	87 -	96 -	93 82	85-90 75-80	- 86-88	- 86-88
2	Flammability UL 94 / 燃烧性能	UL 94	-	HB	HB	HB	HB	HB	HB	HB	HB	HB
	SUGGESTED PROCESSING PARAMETERS 建议操作参数											
1	Drying Temperature / 干燥温度		°C	60-80	60-80	60-80	60-80	60-80	70-80	70-80	70	70
2	Drying Time / 干燥时间		Hours	2-4	2-4	2-4	2-4	2-4	3	3	1-2	1-2
3	Processing (Melt) Temperature / 操作温度		°C	180-220	180-220	180-220	180-220	180-220	215-235	215-235	180-230	180-230
4	Mold Temperature / 模温		°C	30-60	30-60	30-60	30-60	30-60	50-80	50-80	40-60	40-60

Applications:

Spectroblend® compounds are used in printer housing, fax housing, remote control, television back cover, automotive, etc.

*The mold shrinkage values herein are solely based on our own laboratory testing specimens. Users are strongly advised to conduct their own test as molding conditions, mold design, thickness all play a part in determining the part shrinkage.

No information supplied by Colour Image Plastic Compound Sdn Bhd constitutes a warranty regarding product performance or use. NOT INTENDED FOR SPECIFICATION PURPOSES. We cannot guarantee results and assume no liability in connection with the use of the products described. This information is intended as a guide for use at your discretion and risk. Colour Image Plastic Compound Sdn Bhd reserves the right to change its products any time.

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