



Rubber Modified Compounds

橡胶改性塑料

Flexiblend® compound is our company's range of rubber modified polypropylene compounds developed mainly for applications requiring different range of flexibility and impact strength by incorporating varying levels of mineral fillers and impact modifiers. Flexiblend® is developed by combining the inherent flexible properties of natural rubber with the superb processibility of rubber modified thermoplastic compound. Flexiblend® compounds feature izod impact strength range from 80J/m to 580 J/m and flexibility range from shore A 70 to shore D 80. Flexiblend can be processed by using hi speed and precise injection molding, sheet extrusion machines or blow molding machines to make products with different flexibility and hardness.

Flexiblend®橡胶改性塑料是CIPC研发的聚丙烯体系改性材料，可以满足不同的韧性和弹性的产品需求。Flexiblend®改性塑料拥有不同含量的矿物和冲击改性剂以达到不同的效果。Flexiblend®结合了传统天然橡胶的弹性体改性塑料的加工性能。Flexiblend®的冲击强度可有80J/M到580J/M。Flexiblend®可使用高速、精准、高效的注塑、挤压或吹塑加工方式以生产各种富有弹性的改性塑料。

特点：高冲击韧性，高伸长率。

应用：汽车保险杠，汽车仪表盘，汽车内外饰品。

Flexiblend® Elastomer Filled Compounds

	TYPICAL PROPERTIES	ASTM TEST METHOD	UNITS	PP-1200	PP-1300	PP-1400	PP-2100	PP-1301
				Super High Impact	Standard	High Impact	Medium Flow	High Flow
	Feature(特性)			NA	NA	NA	NA	NA
	MECHANICAL / 机械性能							
1	Tensile Strength / 拉伸强度	D638	MPa	22	22	18	24	23
2	Elongation at break / 断裂伸长率	D638	%	452	75	400	55	60
3	Flexural Strength / 弯曲强度	D790	MPa	24	30	25	39	30
4	Flexural Modulus / 弯曲模数	D790	MPa	640	2810	1060	2450	2500
5	Notched Izod Impact Strength @ 23°C, 3.2mm Thickness 缺口冲击强度	D256	J/m	626	185	515	100	130
	PHYSICAL / 物理性能							
1	Specific Gravity / 比重	D792	g/cm3	0.9	1.1	0.95	1.17	1.06
2	Melt Flow Index / 熔融指数	D1228	g/10min	1.3	17	30	14	17
3	Mold Shrinkage* / 成型收缩率	D955	%	1.0-1.4	0.5-0.9	0.8-1.2	0.5-0.9	0.4-0.6
	THERMAL / 热性能							
1	Heat Deflection Temp@0.45 MPa (66psi) 热变形温度	D648	°C	101	125	106	125	110
2	Flammability UL 94 @ 1.6mm / 燃烧性能	UL 94	-	HB	HB	HB	HB	HB
	SUGGESTED PROCESSING PARAMETERS 建议操作参数							
1	Drying Temperature / 干燥温度		°C	100	100	100	100	100
2	Drying Time / 干燥时间		Hours	2	2	2	2	2
3	Processing (Melt) Temperature / 操作温度		°C	180-220	180-220	180-220	180-220	180-220
4	Mold Temperature / 模温		°C	60	60	60	60	60

Applications:

Flexiblend® compounds are used in automotive bumper, automotive instrument panel, automotive side moldings 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.

Colour Image Plastic Compound Sdn. Bhd. (Co.No. 527104-T)

HQ - Plant 1: PT 59218, Jalan Balakong Jaya, Taman Perindustrian Balakong Jaya, 43300 Seri Kembangan, Selangor, Malaysia. Telephone : +603 - 89382496, +603 - 89382870, +603 - 89382790 Fax : +603 - 89403088

Plant 2 : Lot 557 (GM 340), Mukim Hulu Semenyih, Daerah Hulu Langat, Selangor Darul Ehsan, Malaysia.

Johor Sales/ Technical office : CK Tan (Marketing & Technical Executive) Mobile : +6012 - 2127306 Email : ck.tan_mktg@cipresin.com

Business Contact : Lawrence Ong (Executive Director) Mobile : +6012 - 2235891 Email : lawrence.ong@cipresin.com / Tatsuo Fujita (Japanese Sales Advisor) Mobile : +6012 -2235891 Email : fujita@cipresin.com / Linus Cheong Yong Sheng (Marketing Executive) Mobile : +6012 - 2270912 Email : yscheong_mktg@cipresin.com / Yong Yao Sheng (Marketing Executive) Mobile : +6017 - 2985292 Email : yaosheng_mktg@cipresin.com