



大東樹脂化學股份有限公司
GREAT EASTERN RESINS INDUSTRIAL CO., LTD.



ISOPAK® LFRT

LFRT



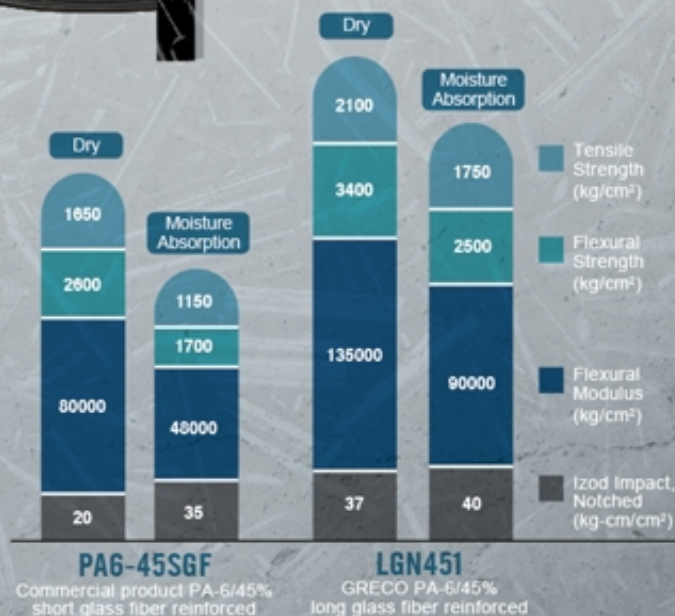
Long Fiber Reinforced Thermoplastic Materials
長纖維增強複合材料

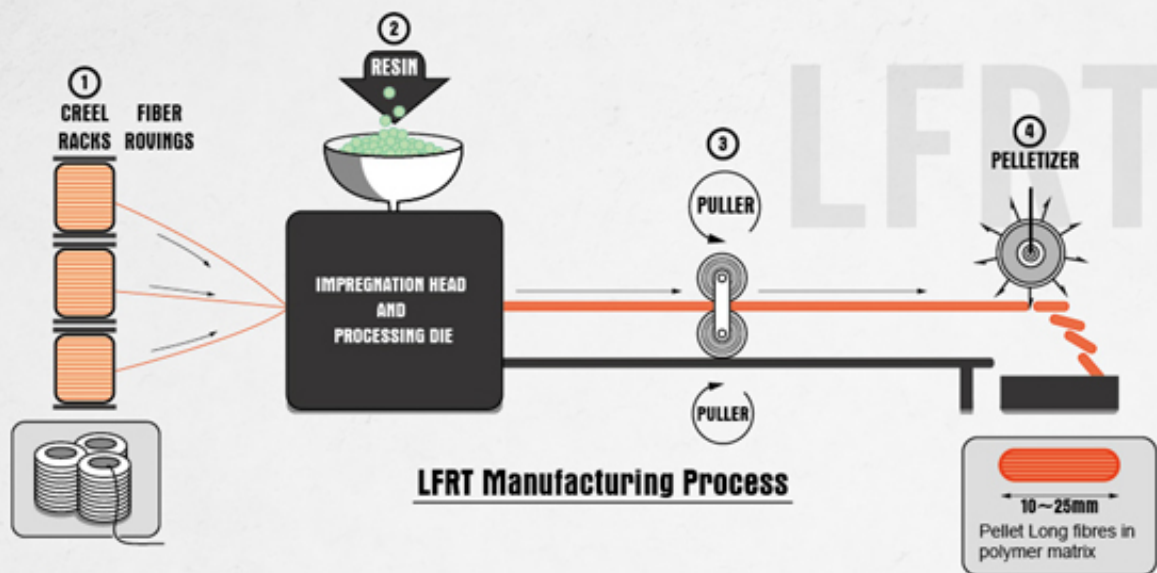


Replacing
the metal
by the plastic
for lightening

以塑代鋼
輕量化

- Excellent mechanical properties and lighten product design.
優異機械性能與結構輕量化
- High stiffness and high toughness.
高剛性與高韌性
- Great durability of impact and size stability.
尺寸安定性與耐衝擊性
- Can be used to replace the thermoset resins and metal materials.
可代替部份熱固樹脂與金屬材料
- Can be applied to injection molding and extrusion process.
可運用於射出與押出成型





ISOPAK® LFRT 產品總表

品名 Grade	抗張強度 Tensile Strength Kg/cm² (MPa)	抗折強度 Flexural Strength kg/cm² (MPa)	抗折模數 Flexural Modulus kg/cm² (MPa)	衝擊強度		HDT °C	比重 Specific Gravity	縮水率 Mold Shrinkage (%)
				23°C Kg-cm/cm(J/m)	-20°C Kg-cm/cm(J/m)			
TPU (Thermoplastic Polyurethane) 熱塑性聚氨酯								
8102LGF30	1600 (157)	2100 (206)	70000 (6870)	25 (246)	25	85	1.5	0.1~0.2
8102LGF40	1900 (187)	2700 (266)	100000 (9840)	40 (394)	25	90	1.5	0.1~0.2
8102LGF50	2000 (197)	3200 (315)	125000 (12300)	40 (394)	40	90	1.6	0.1~0.2
8101LGF60	2250 (222)	3400 (335)	135000 (13300)	30 (295)	-	95	1.7	0.05~0.2
PA-6 (Polyamide-6, Nylon-6) 聚醯胺-6								
NL6130	1800 (176)	2700 (265)	90000 (8800)	25 (245)	21 (205)	215	1.35	0.05~0.2
NL6140	2000 (196)	3000 (295)	120000 (11780)	35 (340)	26 (255)	220	1.45	0.05~0.2
NL6150	2200 (206)	3500 (340)	140000 (13720)	45 (440)	36 (352)	220	1.57	0.05~0.2
NL6160	2300 (225)	3700 (365)	180000 (17690)	50 (490)	40 (390)	220	1.70	0.05~0.1
PA-6,6 (Polyamide-6,6, Nylon-6,6) 聚醯胺-6,6								
NL6230	2000 (196)	3000 (295)	115000 (11300)	25 (245)	20 (196)	235	1.35	0.05~0.2
NL6240	2200 (216)	3100 (305)	120000 (11780)	35 (343)	30 (294)	245	1.45	0.05~0.2
NL6250	2400 (235)	3600 (355)	150000 (14700)	40 (392)	35 (343)	255	1.57	0.05~0.2
PP (Polypropylene) 聚丙烯								
PL6320	850 (84)	1300 (128)	50000 (4920)	16 (157)	20 (197)	155	1.04	0.2~0.6
PL6330	950 (94)	1500 (148)	63000 (6200)	22 (217)	22 (217)	155	1.12	0.1~0.4
PL6340	1100 (108)	1750 (173)	79000 (7780)	28 (276)	28 (276)	155	1.22	0.1~0.3
PL6350	1100 (108)	1950 (192)	100000 (9840)	26 (256)	25 (246)	155	1.33	0.1~0.3

