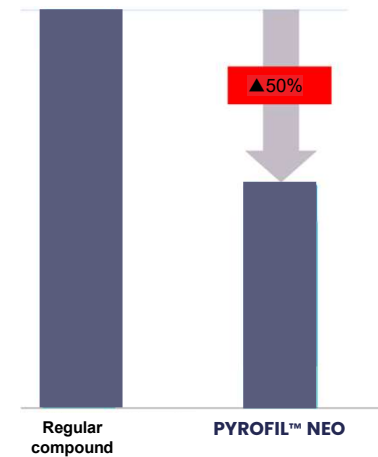


New brand of Carbon Fiber Pellet with lower environmental impact

- Lighter weight** Superior specific strength and stiffness will bring significant weight saving opportunities by switching from metals and glass-fiber-reinforced thermoplastic products.
- High performance** Excellent sliding properties, antistatic properties, and electromagnetic wave shielding properties. Available for selection and customization of resins in accordance with standards (heat resistance, chemical resistance, etc.)
- High quality** Up-cycled CF is reprocessed in the carbon fiber production facilities.
- Environmental consideration** Smaller carbon footprint (CFP) than the conventional products.

Item/Grade		Sample1 PA6 CF30%	Sample2 PA610 CF30%	Sample3 PA66 CF15%	Sample4 PP CF10%	Sample5 PC CF20%
Flexural Modulus	MPa	19,700	18,400	11,000	6,930	12,100
Flexural Strength	MPa	344	339	276	136	205
Tensile Strength	MPa	229	225	193	90	136
Charpy Impact Strength (notched)	kJ/m ²	8.6	9.8	4.8	3.6	7.4
HDT (1.80MPa)	°C	214	213	251	155	148
Rockwell Hardness	-	M 102	M 96	M 105	M 82 R 111	M89
Specific gravity	-	1.27	1.23	1.20	0.96	1.27

Effects of CFP reduction



Calculations are conducted based on Mitsubishi Chemical Group internal regulations.

Application candidates



Mobility



Industrial applications



Home electronics, OA devices



Sports and leisure