

VYLOPET™ Ultra-high rigidity polyester resin "EMC-060A"

Features

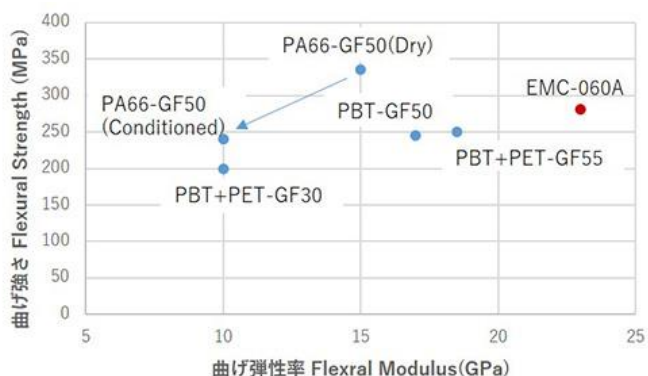
- Polyester industry's top level flexural modulus of 23GPa
- High-quality appearance: Our appearance modification technology achieves a high-quality appearance even with high GF filling.
- High flow: High flow even for long shapes
- Molding: Mold with general-purpose water coolant temperature controller (Max: 95 to 120°C)
- Low warpage: Achieved with our compounding technology

Applications

- Automobile air conditioner outlet
- Home appliance enclosure
- Industrial parts, etc.

	VYLOPET® EMC-060A	General PBT-GF50	General PA66-GF50	
Features	Ultra-high rigidity Low sled Dimensional stability Good appearance	High rigidity	High rigidity	
ISO Material Indication	>PBT+PET-GF63<	>PBT-GF50<	Perfect drying	Water absorption
Density(g/cm³)	1.87	1.72	1.57	
Flexural strength(MPa)	280	245	335	240
Flexural modulus(GPa)	23	17	15	10
Charpy impact(kJ/m²)	26.0	14.0	15.0	16.5

Comparison of rigidity and shock resistance



Good appearance

Mold temperature : 90°C during molding



Top : VYLOPET EMC-060A
Bottom : PBT + PET-GF50

*Values and properties listed here are typical values, not guaranteed values.