

Felix Compounds Glass Fibre

Polypropylene

Felix Compounds

Message:

Reinforced thermoplastic compounds are products that have excellent mechanical, physical and thermal properties. Their rigidity, resistance to shock and scratches, to chemical products and UV rays, as well as the ease of transformation of the material through molding, are but a few points to take into consideration in the choice of the material that will correspond to the requirements of your application: polypropylene (PP), polystyrene (PS), polyethylene (PE), different mineral charges (CaCO₃, talc, mica) and other materials (glass fibre).

Glass Fibre

This category of products has better mechanical and thermal properties. It is also easy to transform their physical state through injection.

General Information			
Filler / Reinforcement	Glass Fiber		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948 to 1.22	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.0 to 10	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	34.5 to 55.2	MPa	ASTM D638
Flexural Modulus	1720 to 5520	MPa	ASTM D790B
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53 to 210	J/m	ASTM D256A
Additional Information	Nominal Value	Unit	
Filler Content	10 to 40	%	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

