

STAMAX™ RESIN
LONG GLASS FIBER
REINFORCED PP

HIGH PERFORMANCE & LIGHT WEIGHT
MATERIAL SOLUTION

STAMAX™ RESIN LONG GLASS FIBER REINFORCED PP

COST & PERFORMANCE BALANCE FOR STRUCTURAL APPLICATIONS

STAMAX resins are long glass fiber reinforced polypropylene(LGF PP) compounds offering potential benefits for innovation, production and cost/performance balance.

1 HIGH IMPACT STRENGTH AND STIFFNESS

2 LIGHT WEIGHT

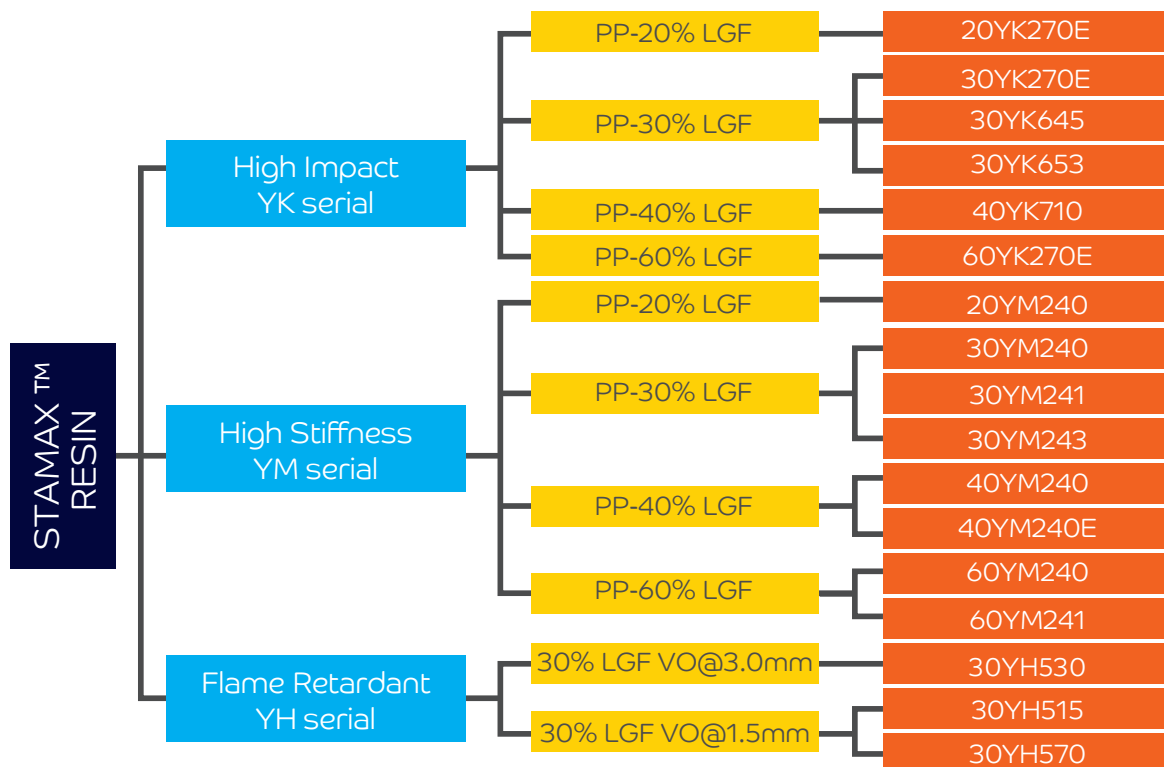
3 HIGH DIMENSIONAL STABILITY AND GOOD PROCESSABILITY



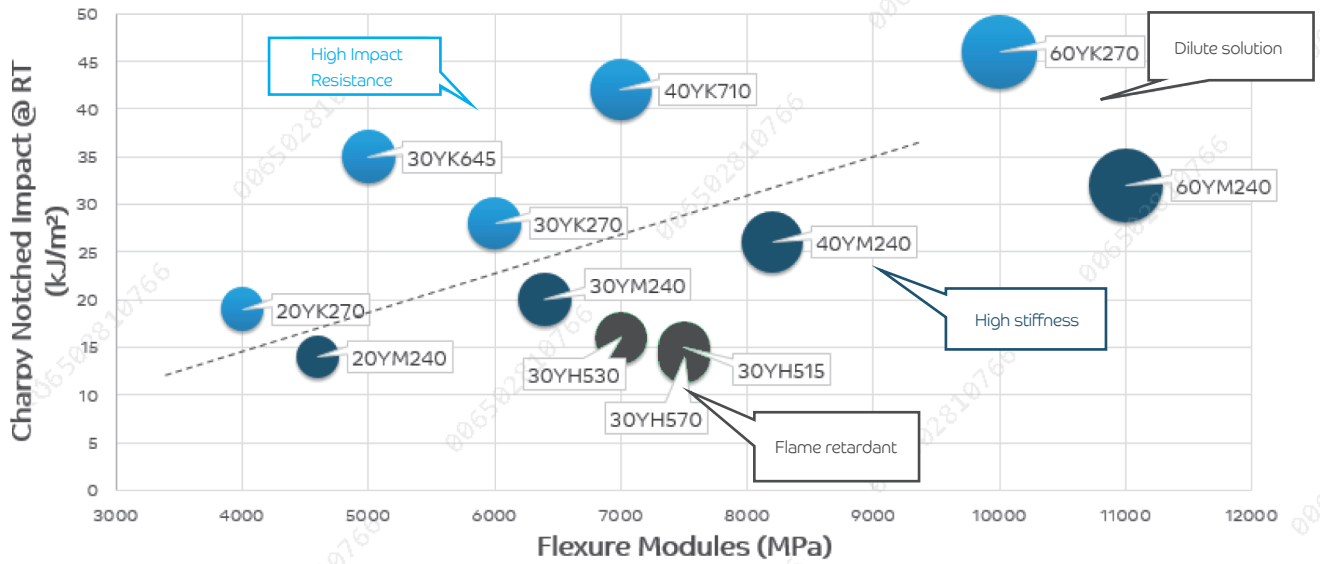
STAMAX resin offers

- High stiffness up to 11 GPa
- High impact strength RT and -30°C
- 30%-50% in component weight saving
- Large & complicate structure component
- Professional tech support on design/simulation/process
- High throughput – low cost

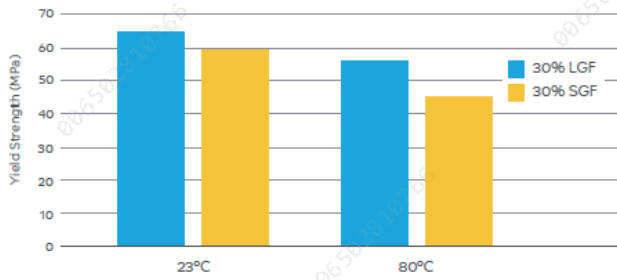
PRODUCT GUIDE



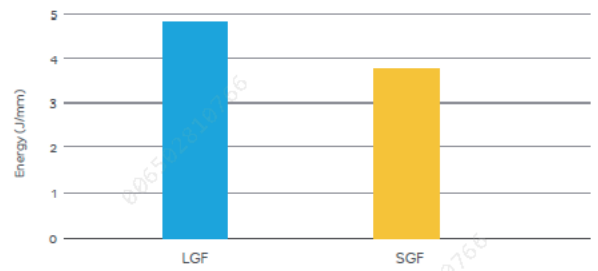
STAMAX RESIN HIGH PERFORMANCE



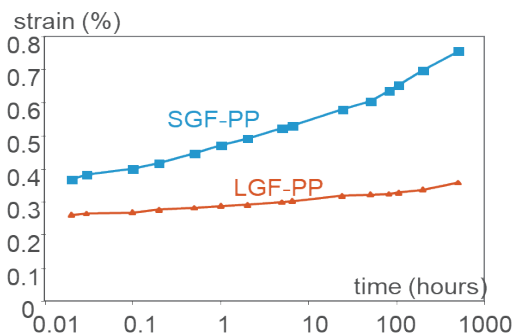
Higher Strength



Higher Impact Resistance



Less Creep Over Time



Less Part Warpage



TYPICAL APPLICATIONS WITH HIGH IMPACT RESISTANCE

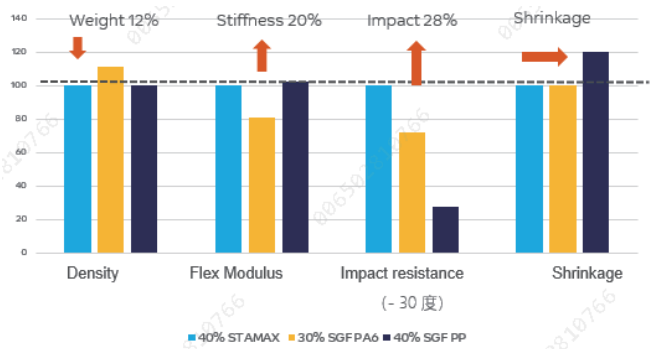
GARDEN TOOLS/POWER TOOLS HOUSING

STAMAX 40YK710 resin

STAMAX 60YK270 dilution resin



- Can enable self tapping screw
- Good balance of toughness & stiffness
- Easy processing, potential energy saving



FURNITURE

STAMAX 40YK710 resin

STAMAX 60YK270

Dilution resin

- High stiffness
- Dimension stability
- Light weight



SPORTS GOODS

STAMAX 20YK270 resin

STAMAX 40YK710 resin

- High stiffness and strength
- Very good outdoor performance
- Light weight

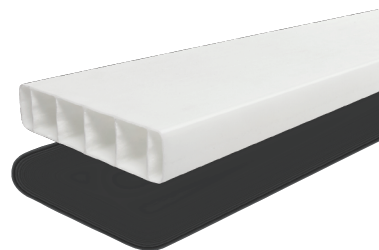


BUILDING & CONSTRUCTION

STAMAX 40YM240 resin

STAMAX 60YM240 dilution resin

- High stiffness and toughness
- Dimension stability, Light weight
- Excellent outdoor performance



TYPICAL APPLICATIONS WITH HIGH STIFFNESS

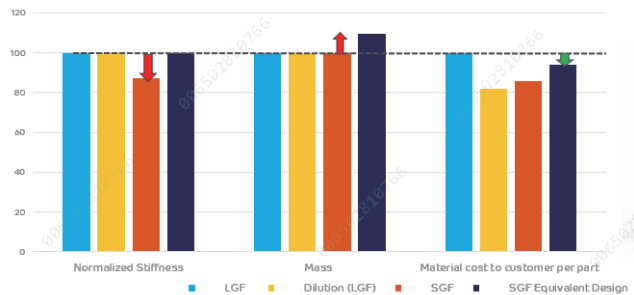
WASHING MACHINE TUBE

STAMAX 20YM240 resin

STAMAX 60YM240 dilution resin



- Excellent stiffness & toughness
- Dilution for cost competitive
- Dimension stability

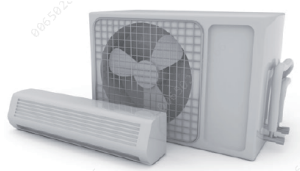


FAN BLADE

STAMAX 40YM240 resin

STAMAX 60YM240 dilution resin

- High stiffness and toughness
- Dimension stability, less creep
- Excellent outdoor performance



5G ANTENNA ENDCAP

STAMAX 30YK645 resin

- Low Dk/Df
- Low density
- High stiffness
- Impact resistance @-40C
- UV and weathering resistance



5G ANTENNA HOUSING

STAMAX 30YK645 resin

- Low Dk/Df
- Low density
- Impact resistance @-40C
- UV and weathering resistance
- Heat resistance RTI > 105C



5G ANTENNA HOUSING

SABIC PP compound G1135
SABIC PP compound G4235U

- Low Dk/Df
- Low density
- Extrusion grade
- UV and weathering resistance



CONTACT US



SABIC Global Headquarters

PO Box 5101
Riyadh 11422
Saudi Arabia
T +966 (011) 225 8000
F +966 (011) 225 9000
E info@sabic.com



SABIC Greater China

2550, Xiupu Road
Pudong Shanghai 201319,
China
T +86 (021) 2037 8188
F +86 (021) 2037 8288
E stcl-sha@sabic.com.cn

OFFICES

Asia
T + 65 6557 2555
F + 65 6531 8101

Shanghai
T + 86 21 2037 8188
F + 86 21 2037 8288

Beijing
T + 86 10 66495888
F + 86 10 8529 6781

Shenzhen
T + 86 755 2583 8828
F + 86 755 2583 8933

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