

## THERMYLENE® GF-30 Comparison

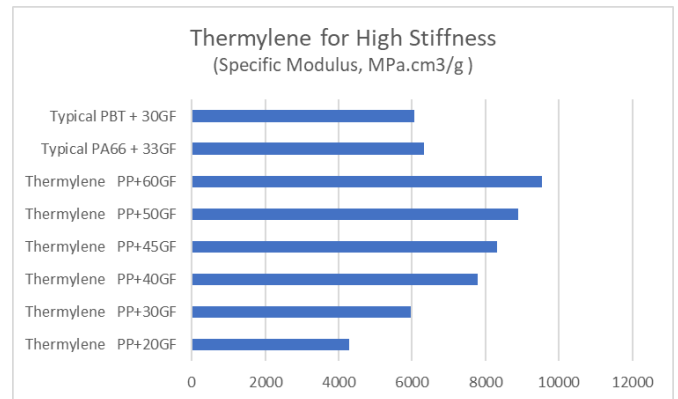
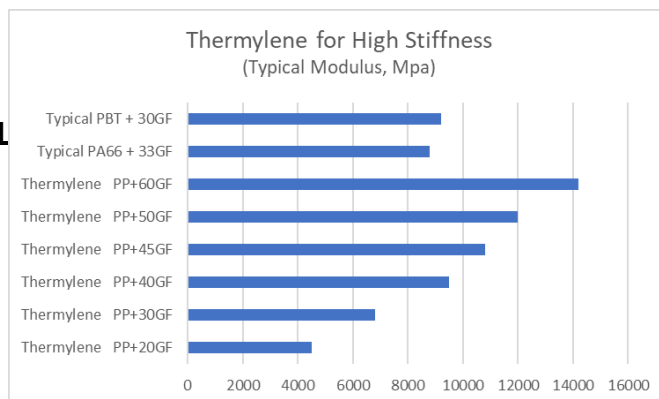
Property	Specification	Units	Thermylene P6-30FG	Thermylene P7-30FG	Thermylene P8-30FG	Thermylene P9-30FG	Thermylene P10-30FG	Thermylene P11-30FG (New !!!)
			Traditional Chemically Coupled GF-PP	Higher Stiffness	Higher Strength + Stiffness	Higher Strength + Stiffness	Higher Strength + Thin Walling	High Strength + Thin Wall
Filler		%	30	30	30	30	30	30
Tensile Strength	ISO 527 (5 mm/min)	MPa	85	91	98	102	106	110
Flexural Modulus	ISO 178	MPa	5900	6500	6600	6900	6600	6900
Notched Charpy	ISO 179	kJ/m2	8.5	10	10	9	10	10
HDT @ 1.8 MPa	ISO 75	°C	142	146	148	150	152	154

### Performance Improvement @ Constant Density of ~1.14 gr/cm<sup>3</sup>

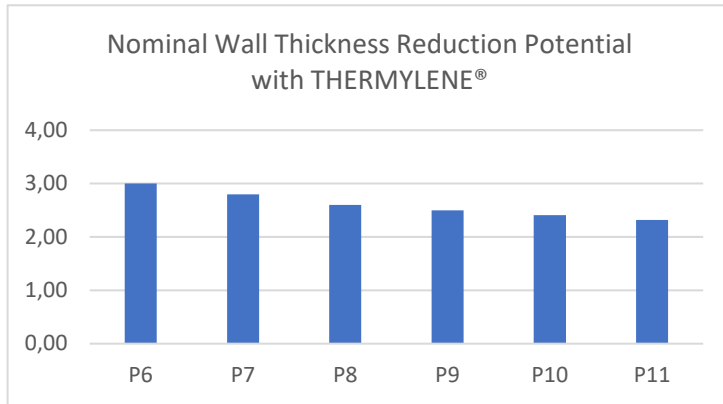
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*\*Some versions of P9-30FG have slightly higher density.*

### Thermylene Modulus Spectrum



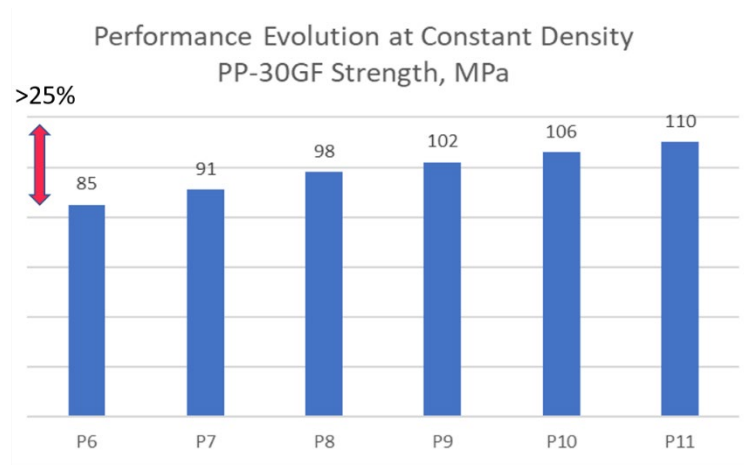
### Thin-Wall Design Potential with THERMYLENE®



Represents mm units; calculated for 10 mm part width; 2550 N load force

Light-Weighting & Cost-Save without Performance Loss

### Leading in Polypropylene Performance



Improved Properties with Each Technology Generation

Commodity ← Performance Grade