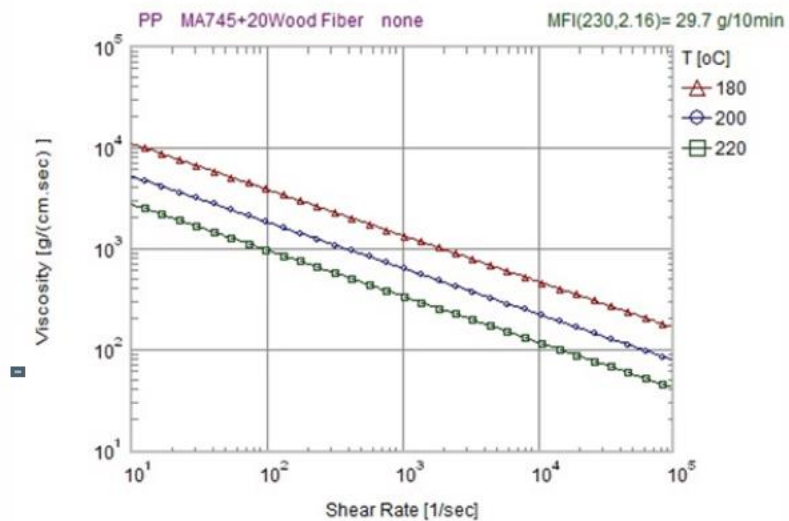
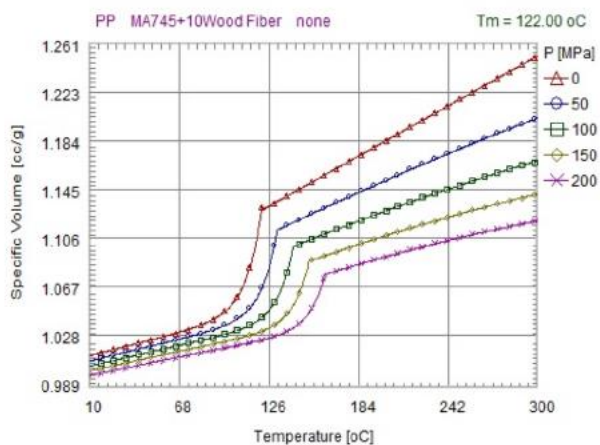


WPC z udziałem 10% włókien celulozy - Viscosity

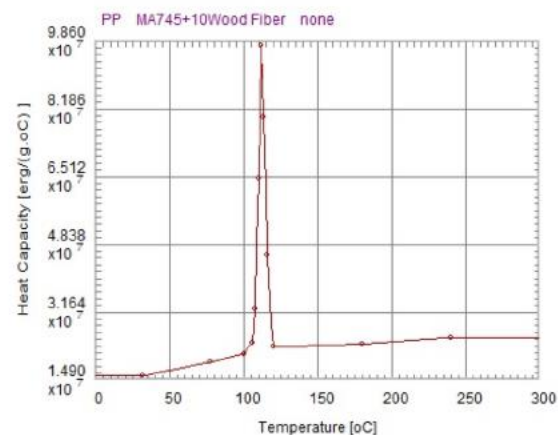


“Od pomysłu  
do gotowego produktu...”

WPC z udziałem 10% włókien celulozy - PVT

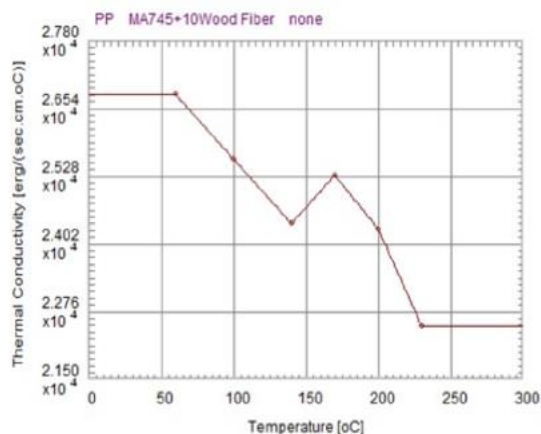


WPC z udziałem 10% włókien celulozy - Heat capacity



“Od pomysłu  
do gotowego produktu...”

WPC z udziałem 10% włókien celulozy - Heat conductivity



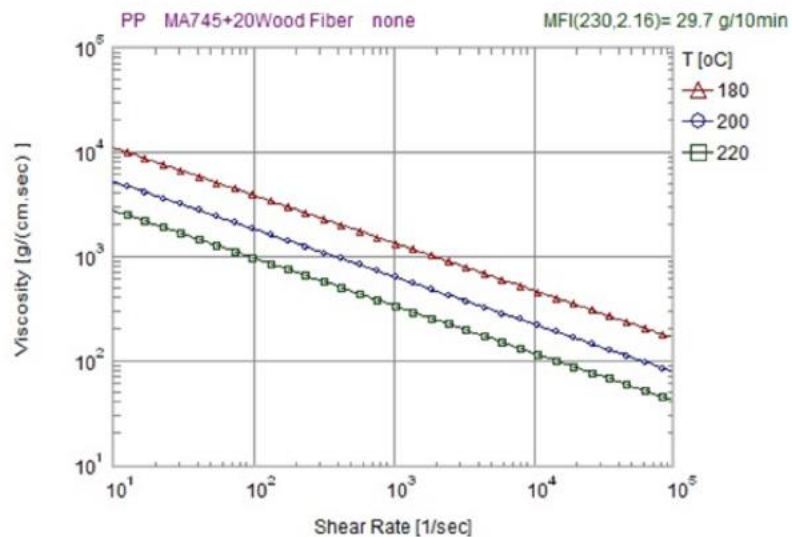
WPC z udziałem 10% włókien celulozy  
- Mechanical properties

Polymer   Grade Name   Producer	PP   MA745+10WoodFiber   none
Mechanical Properties	Fiber-filled polymer - Theoretical properties (Cu...
Polymer density	0.9 (g/cc)
Polymer Poisson's ratio	0.3 (-)
Polymer Modulus E	2e+010 (dyne/cm <sup>2</sup> )
Polymer CLTE	7.5e-005 (1/K)
Fiber weight percentage	10 (%)
Fiber density	2.55 (g/cc)
Fiber Poisson's ratio	0.2 (-)
Fiber Modulus E1 (fiber direction)	7e+011 (dyne/cm <sup>2</sup> )
Fiber Modulus E2 (transverse direction)	7e+011 (dyne/cm <sup>2</sup> )
Fiber Shear Modulus G	3e+011 (dyne/cm <sup>2</sup> )
Fiber CLTE a1 (fiber direction)	5e-006 (1/K)
Fiber CLTE a2 (transverse direction)	5e-006 (1/K)
Fiber Length/Diameter (L/D)	20 (-)



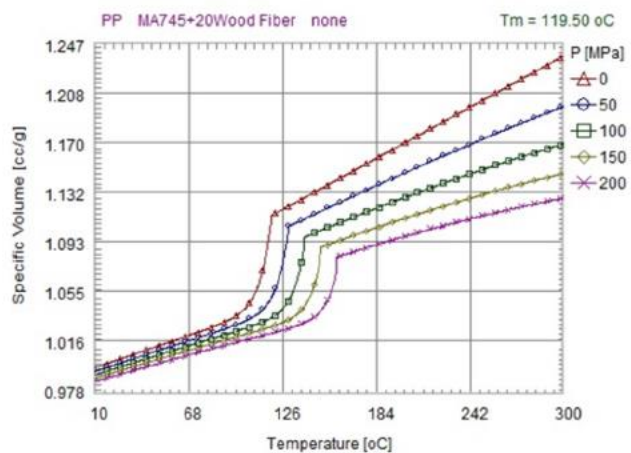
“Od pomysłu  
do gotowego produktu...”

WPC z udziałem **20%** włókien celulozy - **Viscosity**

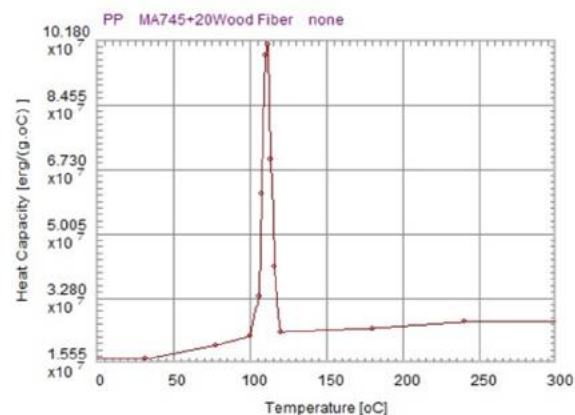


“Od pomysłu  
do gotowego produktu...”

WPC z udziałem 20% włókien celulozy - PVT

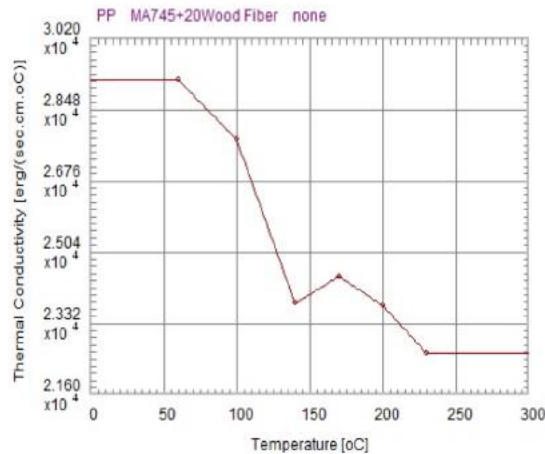


WPC z udziałem 20% włókien celulozy - Heat capacity



“Od pomysłu  
do gotowego produktu...”

WPC z udziałem 20% włókien celulozy - Heat conductivity



WPC z udziałem 20% włókien celulozy - Mechanical properties

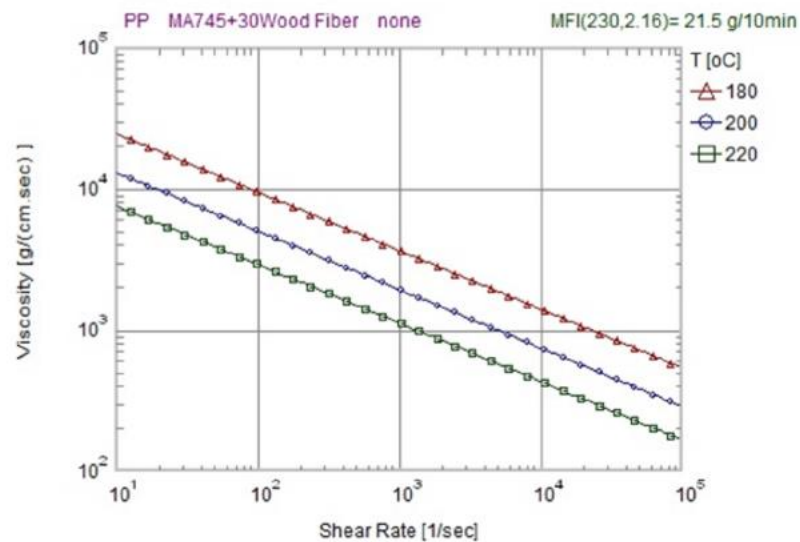
Polymer   Grade Name   Producer	PP   MA745+20WoodFiber   none
Mechanical Properties	Fiber-filled polymer - Theoretical properties (Cu...
Polymer density	0.9 (g/cc)
Polymer Poisson's ratio	0.3 (-)
Polymer Modulus E	2e+010 (dyne/cm <sup>2</sup> )
Polymer CLTE	7.5e-005 (1/K)
Fiber weight percentage	20 (%)
Fiber density	2.55 (g/cc)
Fiber Poisson's ratio	0.2 (-)
Fiber Modulus E1 (fiber direction)	7e+011 (dyne/cm <sup>2</sup> )
Fiber Modulus E2 (transverse direction)	7e+011 (dyne/cm <sup>2</sup> )
Fiber Shear Modulus G	3e+011 (dyne/cm <sup>2</sup> )
Fiber CLTE a1 (fiber direction)	5e-006 (1/K)
Fiber CLTE a2 (transverse direction)	5e-006 (1/K)
Fiber Length/Diameter (L/D)	20 (-)



“Od pomysłu do gotowego produktu...”

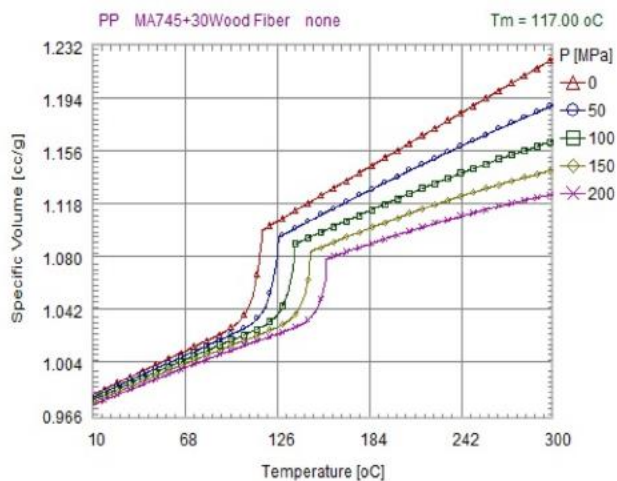


WPC z udziałem **30%** włókien celulozy - **Viscosity**

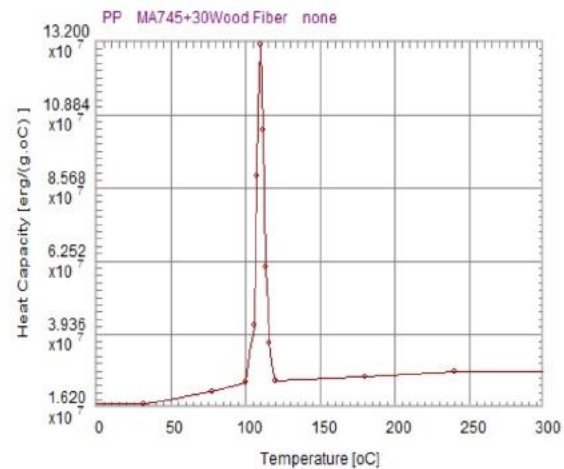


“Od pomysłu  
do gotowego produktu...”

WPC z udziałem 30% włókien celulozy - PVT



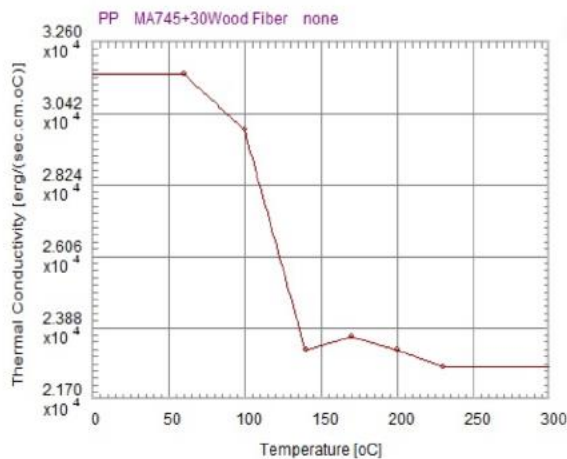
WPC z udziałem 30% włókien celulozy  
- Heat capacity



“Od pomysłu  
do gotowego produktu...”



WPC z udziałem 30% włókien celulozy - Heat conductivity



WPC z udziałem 30% włókien celulozy  
- Mechanical properties

Polymer   Grade Name   Producer	PP   MA745+30Wood Fiber   none
Mechanical Properties	Fiber-filled polymer - Theoretical properties (Cu...
Polymer density	0.9 (g/cc)
Polymer Poisson's ratio	0.3 (-)
Polymer Modulus E	2e+010 (dyne/cm <sup>2</sup> )
Polymer CLTE	7.5e-005 (1/K)
Fiber weight percentage	30 (%)
Fiber density	2.55 (g/cc)
Fiber Poisson's ratio	0.2 (-)
Fiber Modulus E1 (fiber direction)	7e+011 (dyne/cm <sup>2</sup> )
Fiber Modulus E2 (transverse direction)	7e+011 (dyne/cm <sup>2</sup> )
Fiber Shear Modulus G	3e+011 (dyne/cm <sup>2</sup> )
Fiber CLTE a1 (fiber direction)	5e-006 (1/K)
Fiber CLTE a2 (transverse direction)	5e-006 (1/K)
Fiber Length/Diameter (LD)	20 (-)



“Od pomysłu  
do gotowego produktu...”