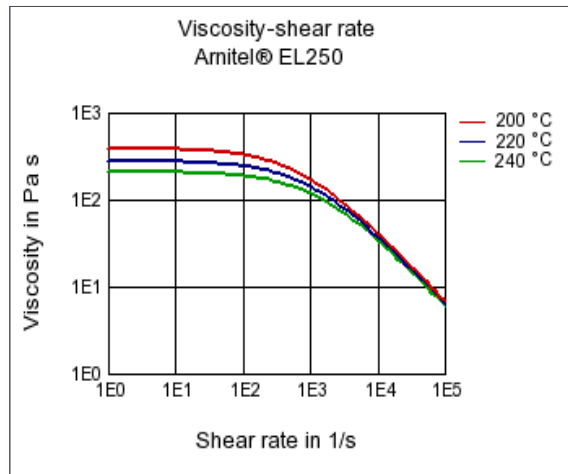




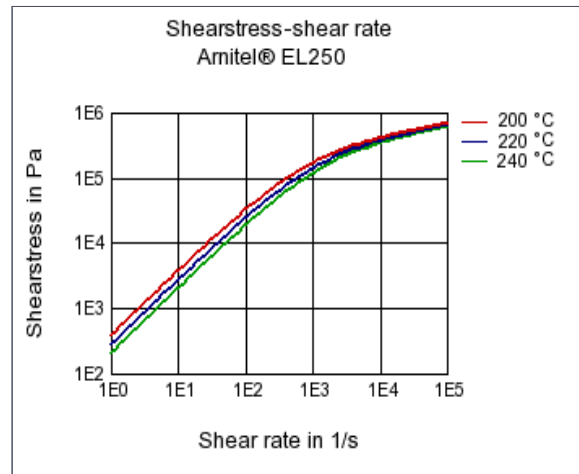
Arnitel® EL250			
TPC			Envalior
Product Texts			
Injection Molding, Food Contact Quality			
ISO 18064 TPC-ET			
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	48	cm³/10min	ISO 1133
Temperature	230	°C	-
Load	2.16	kg	-
Mechanical properties	Value	Unit	Test Standard
ISO Data			
Charpy impact strength, +23°C	N	kJ/m²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m²	ISO 179/1eU
Charpy notched impact strength, +23°C	N	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m²	ISO 179/1eA
Tensile notched impact strength, +23°C	N	kJ/m²	ISO 8256/1
Stress at 10% elongation	2.1	MPa	ISO 527
Stress at 100% elongation	5.1	MPa	ISO 527
Strain at break TPE	>300	%	ISO 527
Stress at break TPE	15	MPa	ISO 527
Shore A hardness, 3s	85	-	ISO 7619-1
Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	180	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-80	°C	ISO 11357-1/-2
Coeff. of linear therm. expansion, parallel	220	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	220	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Electrical properties	Value	Unit	Test Standard
ISO Data			
Volume resistivity	5E12	Ohm*m	IEC 62631-3-1
Other properties	Value	Unit	Test Standard
ISO Data			
Water absorption	0.8	%	Sim. to ISO 62
Density	1080	kg/m³	ISO 1183
Rheological calculation properties	Value	Unit	Test Standard
ISO Data			
Density of melt	905	kg/m³	-

Diagrams

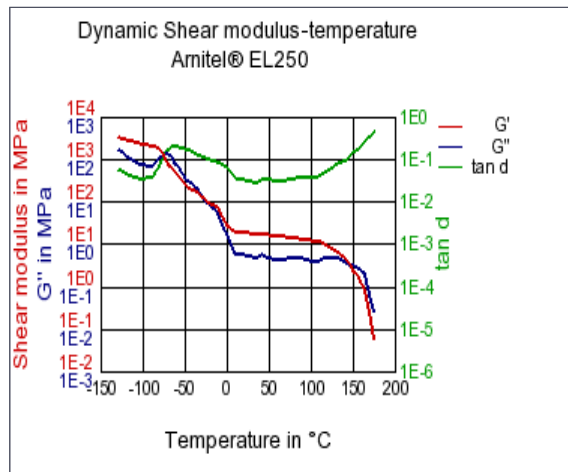
Viscosity-shear rate



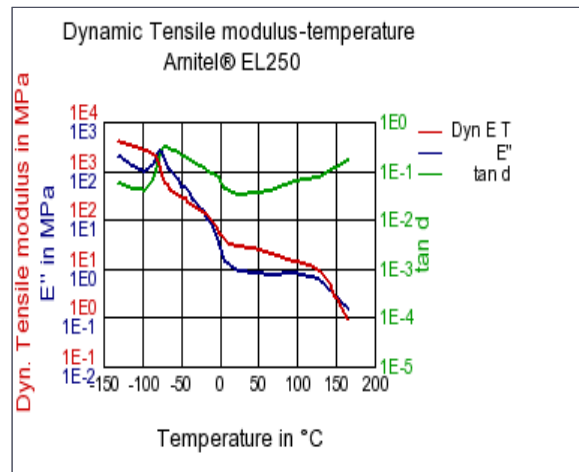
Shearstress-shear rate



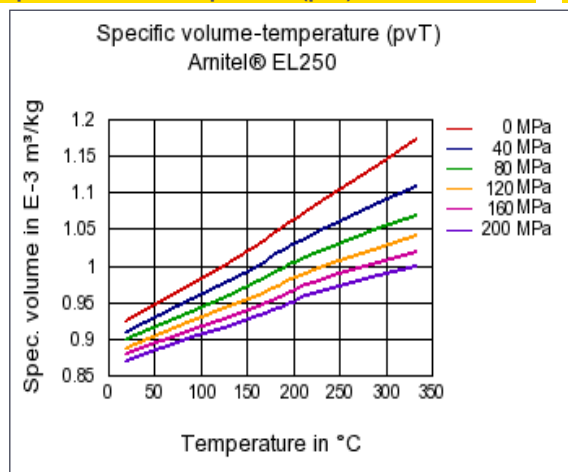
Dynamic Shear modulus-temperature



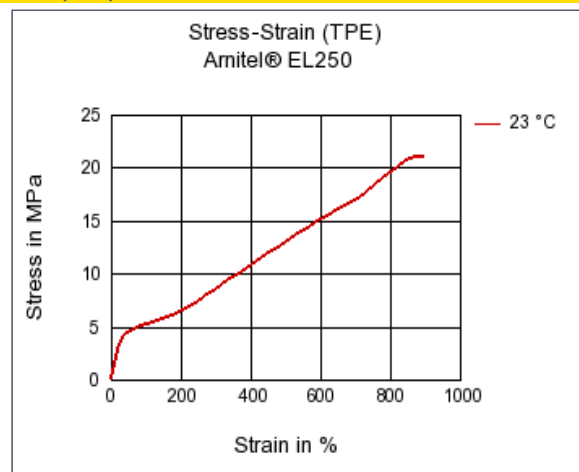
Dynamic Tensile modulus-temperature



Specific volume-temperature (pvT)



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

Delivery form

Pellets

Other text information

Arnitel® EL250	
TPC	Envalior
Injection Molding	
Injection Molding Recommendations Steel recommendations for molds screws and barrels Trouble shooting guideline for injection molding	
Chemical Media Resistance	
Hydrocarbons	
☺	Toluene (23 °C)
Ketones	
☺	Acetone (23 °C)
Other	
☺	Water (23 °C)