


Arnitel® CM622 - Shore 60 D

TPC

DSM Engineering Plastics

Product Texts

60 Shore D, Extrusion

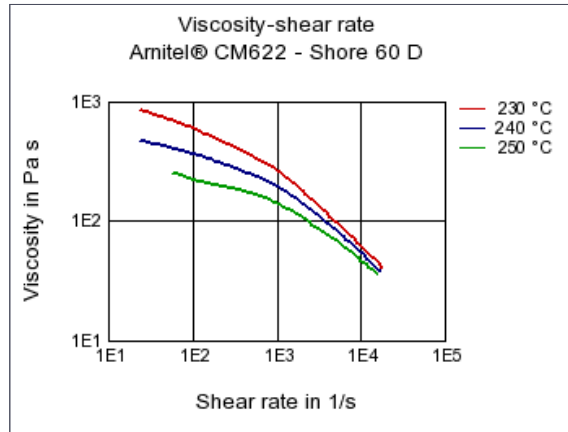
ISO 18064 TPC-ES

[Arnitel website](#)

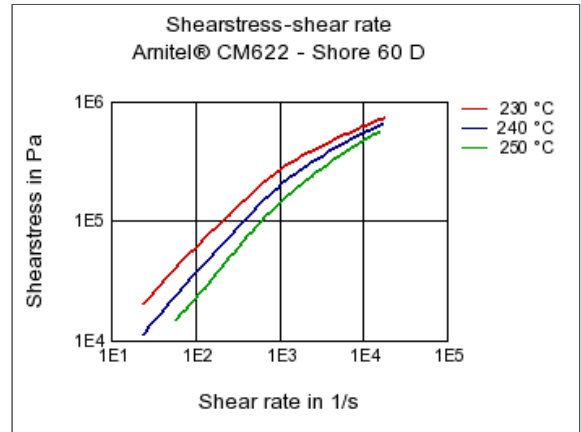
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	9	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	310	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m²	ISO 179/1eA
Stress at 10% elongation	19.8	MPa	ISO 527-1/-2
Stress at 100% elongation	20.4	MPa	ISO 527-1/-2
Strain at break TPE	>300	%	ISO 527-1/-2
Stress at break TPE	33	MPa	ISO 527-1/-2
Tear strength	193	kN/m	ISO 34-1
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	208	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-10	°C	ISO 11357-1/-2
Vicat softening temperature, 50°C/h 50N	87	°C	ISO 306
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10
Other properties			
ISO Data			
Density	1270	kg/m³	ISO 1183

Diagrams

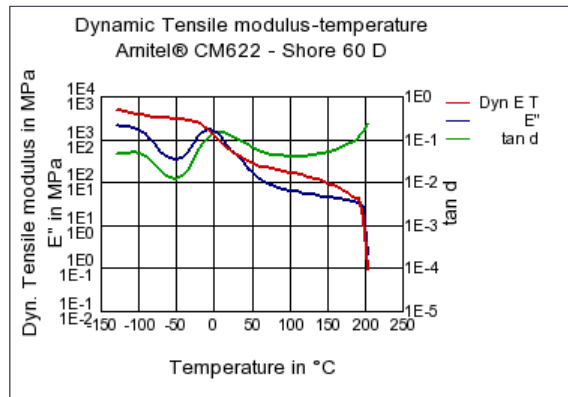
Viscosity-shear rate



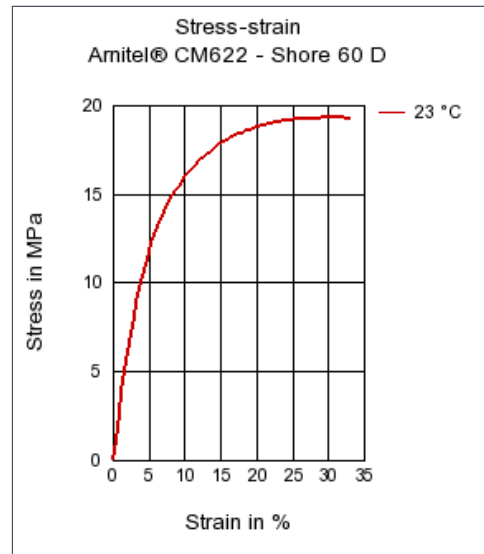
Shearstress-shear rate



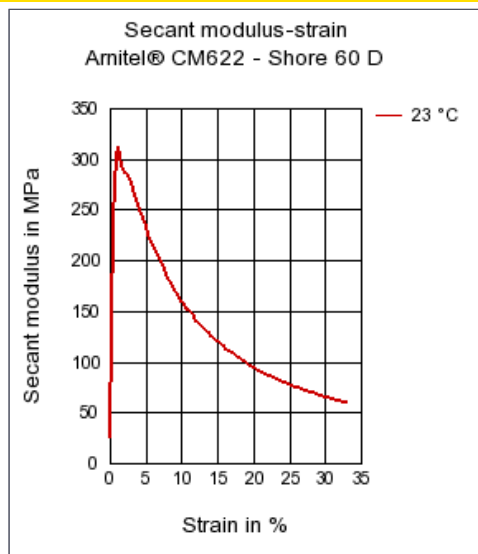
Dynamic Tensile modulus-temperature



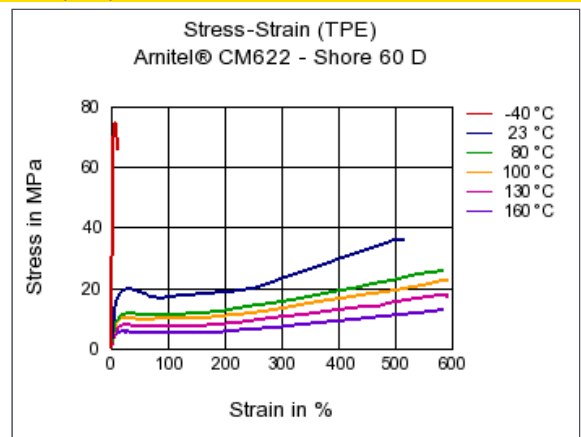
Stress-strain



Secant modulus-strain



Stress-Strain (TPE)



Characteristics

Processing

Profile Extrusion, Other Extrusion

Special Characteristics

Heat stabilized or stable to heat

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)