


**Arnitel® CM622 - Shore 60 D**

TPC

DSM Engineering Plastics

**Product Texts**

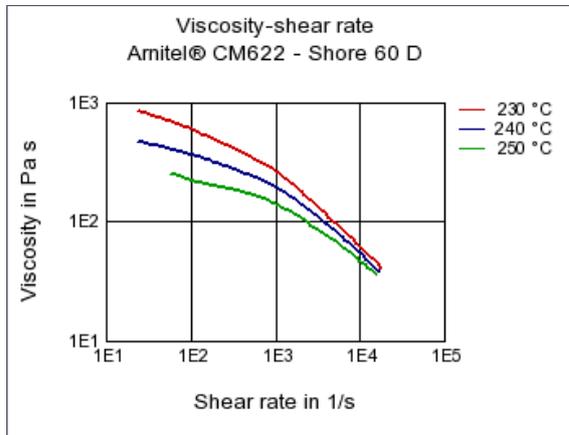
60 Shore D, Extrusion

ISO 18064 TPC-ES

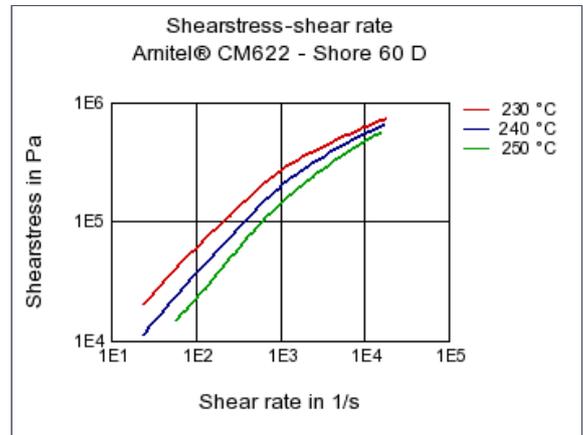
<b>Rheological properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	9	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	310	MPa	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m <sup>2</sup>	ISO 179/1eA
Charpy notched impact strength, -30°C	7	kJ/m <sup>2</sup>	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
<b>Thermal properties</b>			
<b>ISO Data</b>			
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
<b>Other properties</b>			
<b>ISO Data</b>			
Density	1270	kg/m <sup>3</sup>	ISO 1183

**Diagrams**

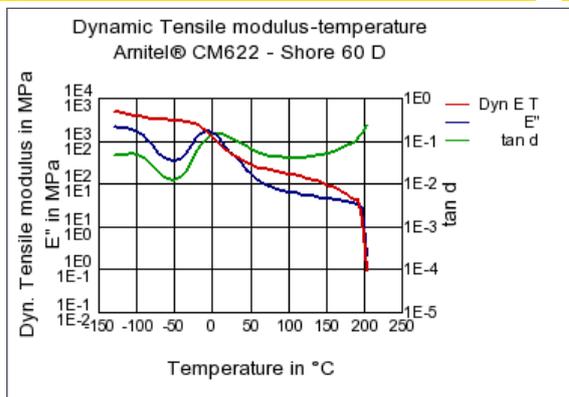
**Viscosity-shear rate**



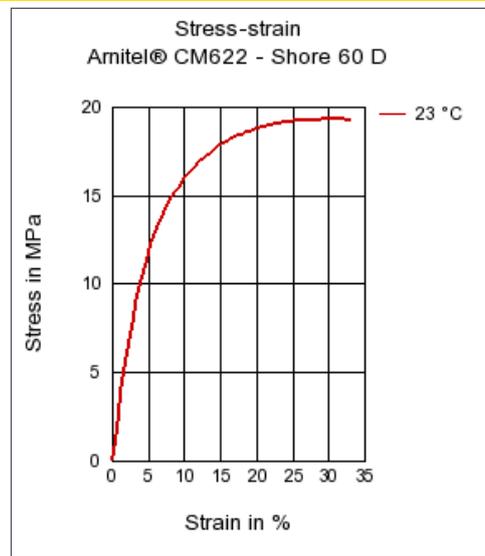
**Shearstress-shear rate**



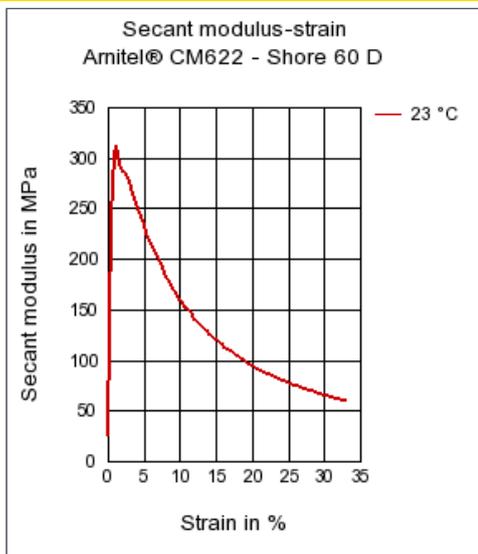
**Dynamic Tensile modulus-temperature**



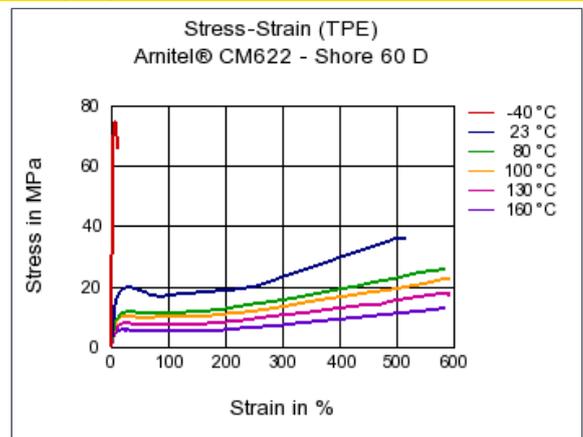
**Stress-strain**



**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](#)