


Arnitel® CM600-V - Shore 61 D

TPC FR

DSM Engineering Plastics

Product Texts

Extrusion, Flame Retardant (halogen free)

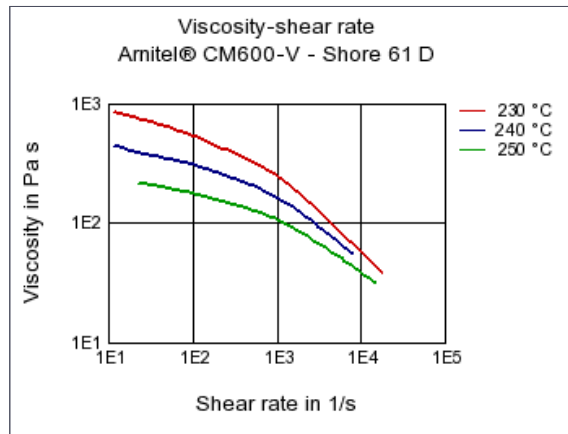
ISO 18064 TPC-ES FR

[Arnitel website](#)

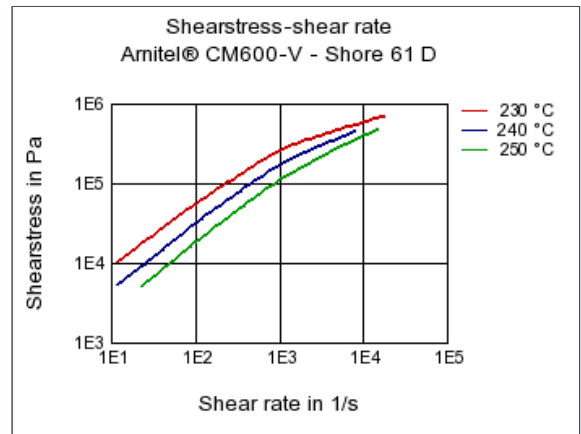
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt volume-flow rate, MVR	13	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
Mechanical properties			
ISO Data			
Tensile Modulus	420	MPa	ISO 527-1/-2
Yield stress	21	MPa	ISO 527-1/-2
Yield strain	18	%	ISO 527-1/-2
Nominal strain at break	>50	%	ISO 527-1/-2
Charpy notched impact strength (+23°C)	N	kJ/m²	ISO 179/1eA
Stress at 10% elongation	19.5	MPa	ISO 527-1/-2
Stress at 100% elongation	16	MPa	ISO 527-1/-2
Stress at break TPE	20.5	MPa	ISO 527-1/-2
Thermal properties			
ISO Data			
Melting temperature (10°C/min)	205	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-10	°C	ISO 11357-1/-2
Electrical properties			
ISO Data			
Relative permittivity, 100Hz	4.2	-	IEC 60250
Relative permittivity, 1MHz	3.7	-	IEC 60250
Dissipation factor, 100Hz	157	E-4	IEC 60250
Dissipation factor, 1MHz	385	E-4	IEC 60250
Volume resistivity	>1E13	Ohm*m	IEC 60093
Electric strength	18.7	kV/mm	IEC 60243-1
Other properties			
ISO Data			
Density	1320	kg/m³	ISO 1183

Diagrams

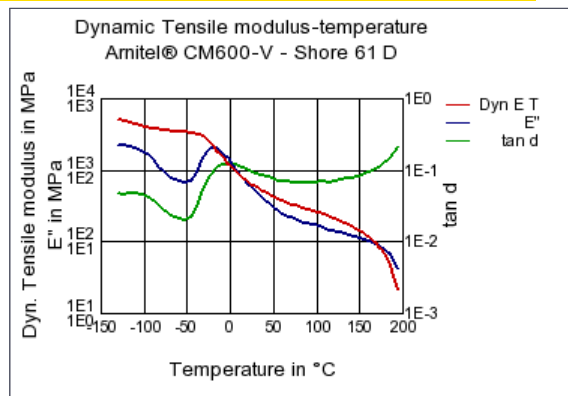
Viscosity-shear rate



Shearstress-shear rate



Dynamic Tensile modulus-temperature



Characteristics

Processing

Other Extrusion

Special Characteristics

Flame retardant

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)