


**Arnitel® CM600-V - Shore 61 D**

TPC FR

DSM Engineering Plastics

**Product Texts**

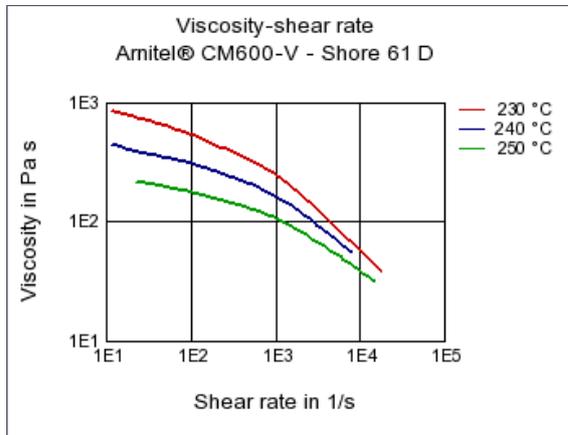
Extrusion, Flame Retardant (halogen free)

ISO 18064 TPC-ES FR

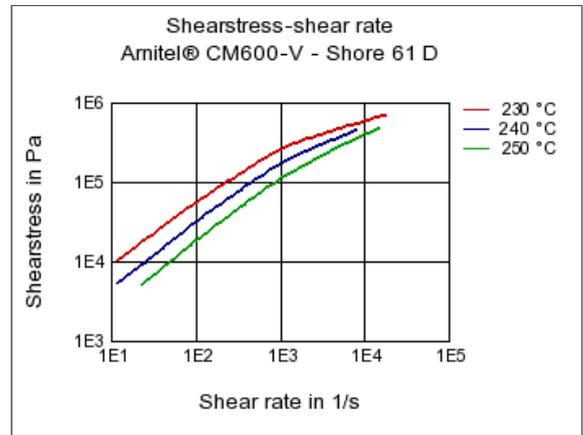
<b>Rheological properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Melt volume-flow rate, MVR	13	cm <sup>3</sup> /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133
<b>Mechanical properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
<b>ISO Data</b>			
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/m <sup>2</sup>	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
<b>Thermal properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
<b>ISO Data</b>			
Melting temperature (10°C/min)	205	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	-10	°C	ISO 11357-1/-2
<b>Electrical properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
<b>ISO Data</b>			
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
<b>Other properties</b>			
<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>	
<b>ISO Data</b>			
Density	1320	kg/m <sup>3</sup>	ISO 1183

**Diagrams**

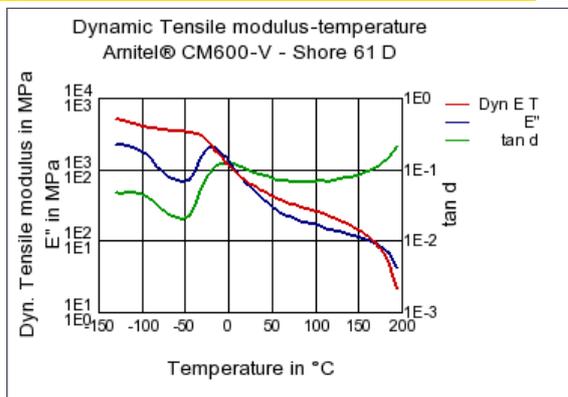
**Viscosity-shear rate**



**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](#)