


**Arnitel® EB463 - Shore 38 D**

TPC

DSM Engineering Plastics

**Product Texts**

Blow Molding Grade

ISO 18064 TPC-ET

[Arnitel website](#)
**Rheological properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt volume-flow rate, MVR	10.5	cm³/10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133

**Mechanical properties**

	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	65	MPa	ISO 527-1/-2
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
Stress at 10% elongation	6	MPa	ISO 527-1/-2
Stress at 100% elongation	15	MPa	ISO 527-1/-2
Stress at break TPE	18	MPa	ISO 527-1/-2

**Thermal properties**

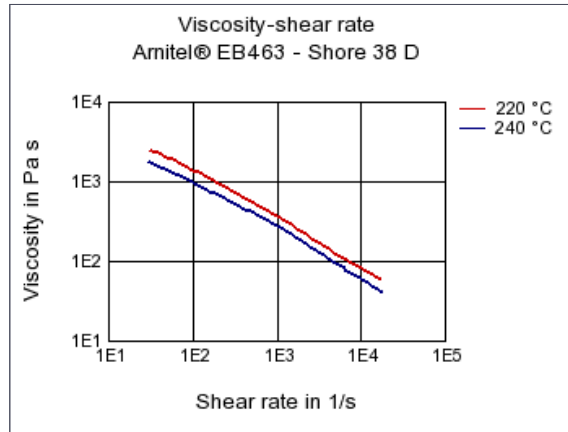
	Value	Unit	Test Standard
<b>ISO Data</b>			
Melting temperature (10°C/min)	203	°C	ISO 11357-1/-3

**Other properties**

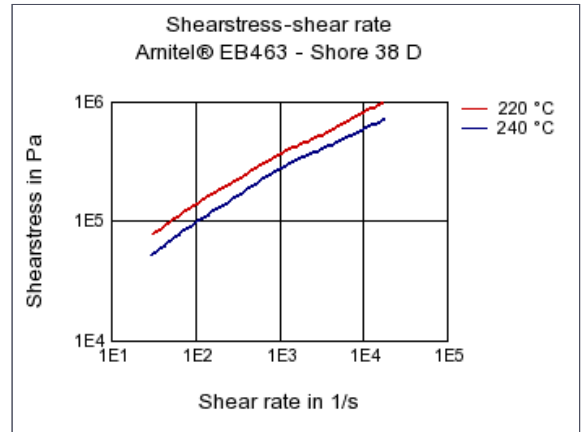
	Value	Unit	Test Standard
<b>ISO Data</b>			
Water absorption	0.7	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1150	kg/m³	ISO 1183

**Diagrams**

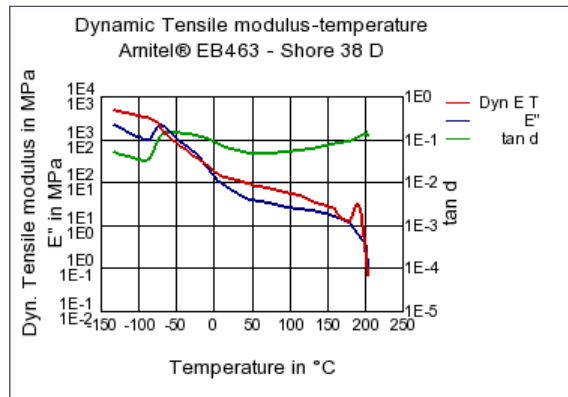
**Viscosity-shear rate**



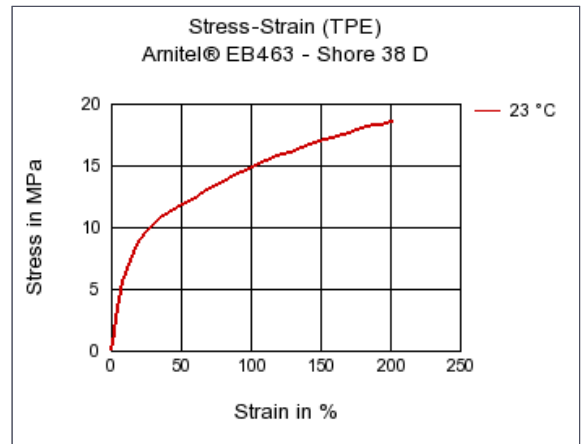
**Shearstress-shear rate**



**Dynamic Tensile modulus-temperature**



**Stress-Strain (TPE)**



**Characteristics**

**Processing**

Blow Molding

**Delivery form**

Pellets

**Special Characteristics**

Heat stabilized or stable to heat