


Arnitel® EB463 - Shore 38 D

TPC

DSM Engineering Plastics

Product Texts

Blow Molding Grade

ISO 18064 TPC-ET

Rheological properties	Value	Unit	Test Standard
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ISO Data

Melt volume-flow rate, MVR	10.5	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	10	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
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ISO Data

Tensile Modulus	65	MPa	ISO 527-1/-2
Charpy impact strength (+23°C)	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	N	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	N	kJ/m ²	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
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ISO Data

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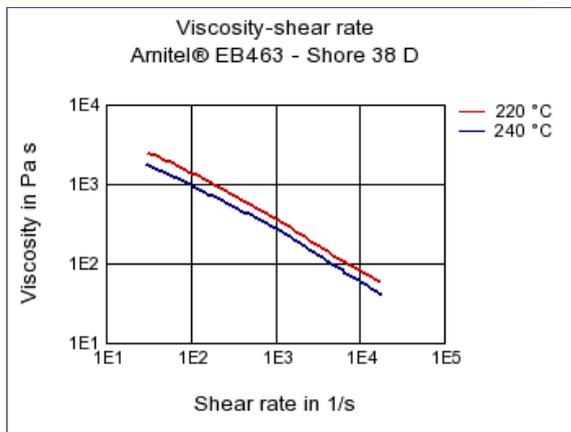
Other properties	Value	Unit	Test Standard
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ISO Data

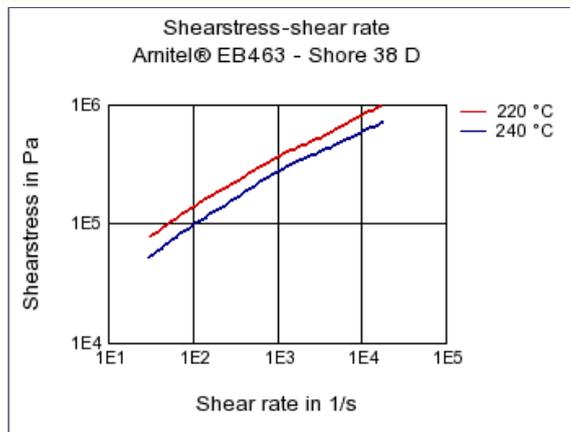
Water absorption	0.7	%	Sim. to ISO 62
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1150	kg/m ³	ISO 1183

Diagrams

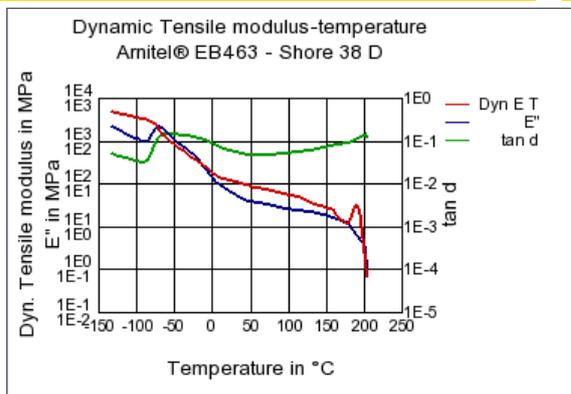
Viscosity-shear rate



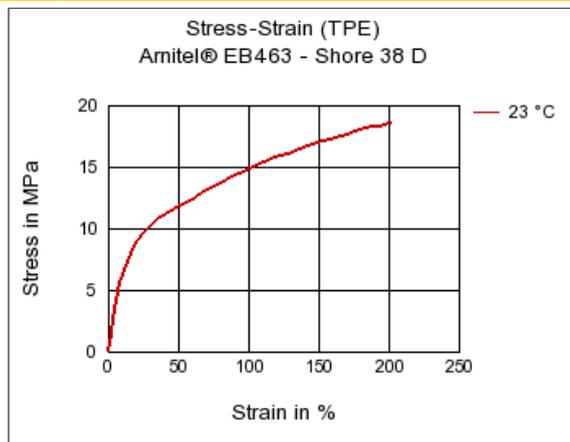
Shearstress-shear rate



Dynamic Tensile modulus-temperature



Stress-Strain (TPE)



Characteristics

Processing

Blow Molding

Delivery form

Pellets

Special Characteristics

Heat stabilized or stable to heat