



Arnitel® PM471 - Shore 44 D
TPC DSM Engineering Plastics

Product Texts

Injection Molding
ISO 18064 TPC-ET

Rheological properties Value Unit Test Standard

ISO Data			
Melt volume-flow rate, MVR	12.5	cm ³ /10min	ISO 1133
Temperature	230	°C	ISO 1133
Load	2.16	kg	ISO 1133

Mechanical properties Value Unit Test Standard

ISO Data			
Tensile Modulus	150	MPa	ISO 527-1/-2
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	8.7	MPa	ISO 527-1/-2
Stress at 100% elongation	13.9	MPa	ISO 527-1/-2
Stress at break TPE	16.5	MPa	ISO 527-1/-2

Thermal properties Value Unit Test Standard

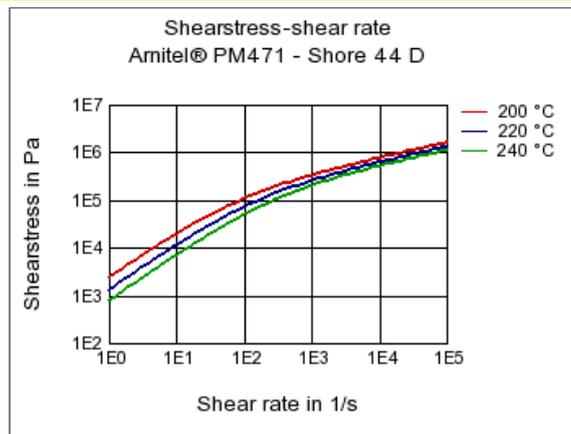
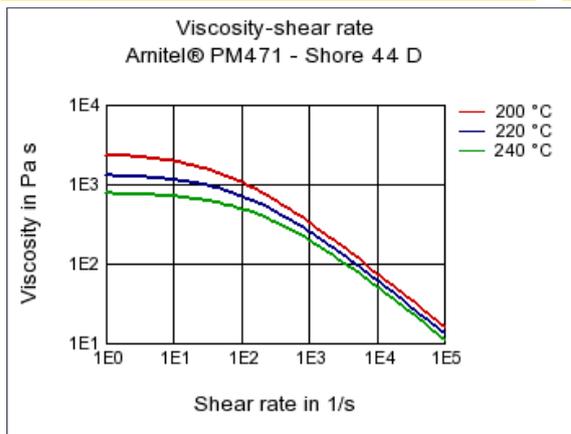
ISO Data			
Melting temperature (10°C/min)	217	°C	ISO 11357-1/-3

Other properties Value Unit Test Standard

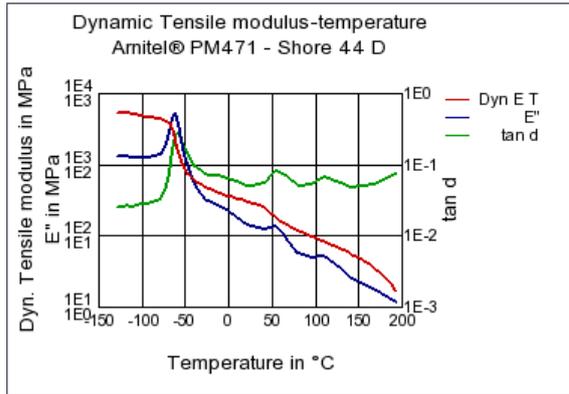
ISO Data			
Density	1200	kg/m ³	ISO 1183

Diagrams

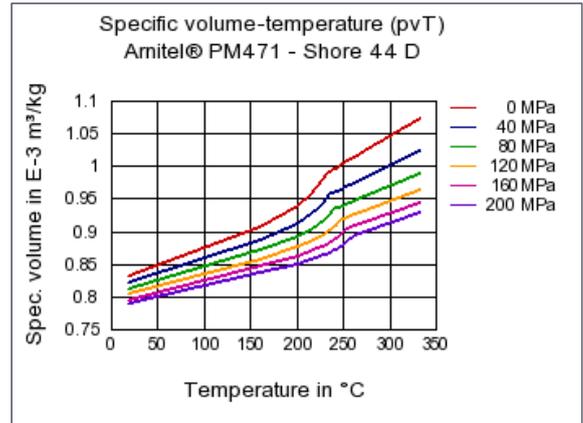
Viscosity-shear rate Shearstress-shear rate



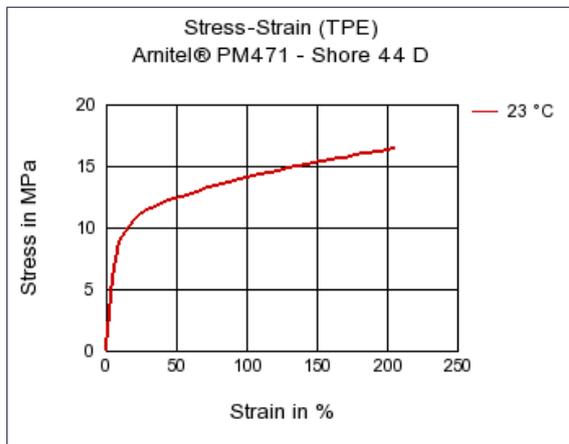
Dynamic Tensile modulus-temperature



Specific volume-temperature (pvT)



Stress-Strain (TPE)



Characteristics

Processing

Injection Molding

Delivery form

Pellets