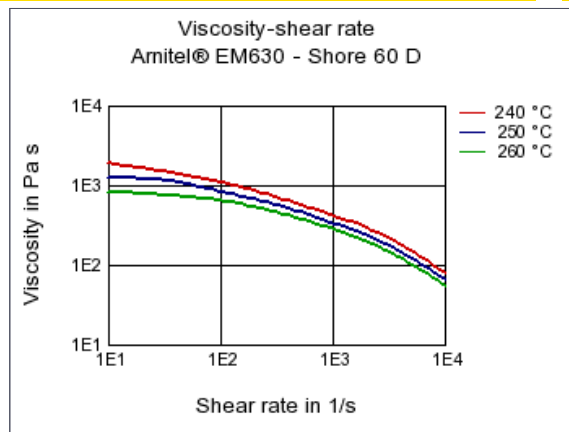




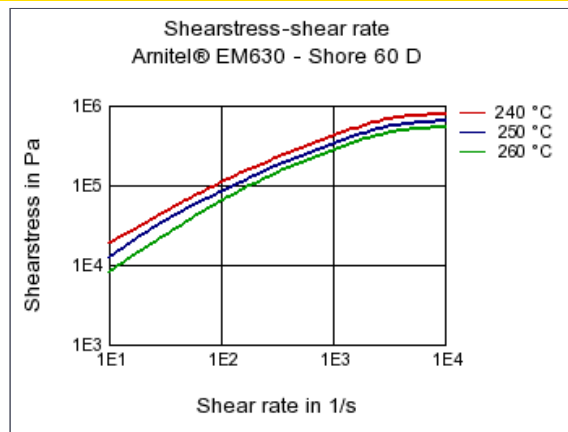
Arnitel® EM630 - Shore 60 D TPC				DSM Engineering Plastics
Rheological properties ISO Data				
Melt volume-flow rate, MVR	4	cm³/10min	ISO 1133	
Temperature	230	°C	ISO 1133	
Load	2.16	kg	ISO 1133	
Mechanical properties ISO Data				
Tensile Modulus	280	MPa	ISO 527-1/-2	
Yield stress	22	MPa	ISO 527-1/-2	
Yield strain	29	%	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	
Charpy notched impact strength, -30°C	12	kJ/m²	ISO 179/1eA	
Stress at 10% elongation	18	MPa	ISO 527-1/-2	
Stress at 100% elongation	22	MPa	ISO 527-1/-2	
Stress at 300% elongation	20	MPa	ISO 527-1/-2	
Strain at break TPE	>300	%	ISO 527-1/-2	
Stress at break TPE	31.5	MPa	ISO 527-1/-2	
Tear strength	176	kN/m	ISO 34-1	
Thermal properties ISO Data				
Melting temperature (10°C/min)	212	°C	ISO 11357-1/-3	
Vicat softening temperature, 50°C/h 50N	125	°C	ISO 306	
Coeff. of linear therm. expansion, parallel	185	E-6/K	ISO 11359-1/-2	
Coeff. of linear therm. expansion, normal	185	E-6/K	ISO 11359-1/-2	
Burning behav. at 1.5 mm nom. thickn.	HB	class	IEC 60695-11-10	
Thickness tested	1.6	mm	IEC 60695-11-10	
Electrical properties ISO Data				
Relative permittivity, 100Hz	3.8	-	IEC 60250	
Relative permittivity, 1MHz	3.4	-	IEC 60250	
Dissipation factor, 100Hz	110	E-4	IEC 60250	
Dissipation factor, 1MHz	340	E-4	IEC 60250	
Volume resistivity	1E12	Ohm*m	IEC 60093	
Electric strength	22	kV/mm	IEC 60243-1	
Comparative tracking index	600	-	IEC 60112	
Other properties ISO Data				
Water absorption	0.6	%	Sim. to ISO 62	
Humidity absorption	0.2	%	Sim. to ISO 62	
Density	1240	kg/m³	ISO 1183	
Test specimen production ISO Data				
Injection Molding, melt temperature	240	°C	ISO 294	
Injection Molding, mold temperature	35	°C	ISO 10724	
Injection Molding, injection velocity	500	mm/s	ISO 294	

Diagrams

Viscosity-shear rate



Shearstress-shear rate



Characteristics

Processing

Injection Molding, Other Extrusion

Additives

Release agent

Delivery form

Pellets