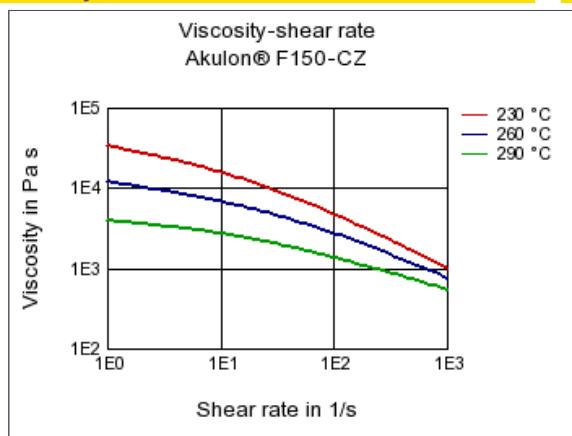


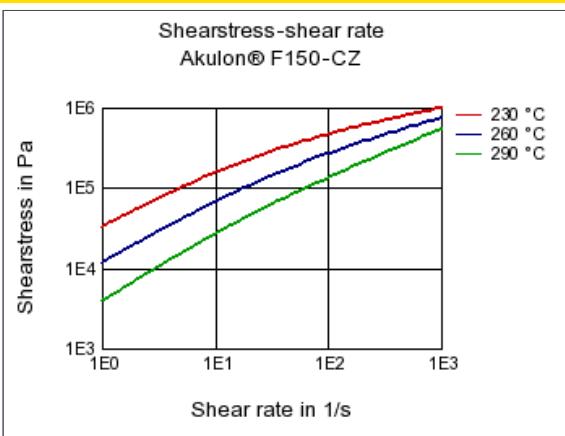
Akulon® F150-CZ						
PA6	DSM Engineering Plastics					
Product Texts						
Very High Viscosity, Lubricated						
ISO 1043 PA6						
Akulon website						
Mechanical properties	dry / cond	Unit	Test Standard			
ISO Data						
Tensile Modulus	3200 / -	MPa	ISO 527-1/-2			
Yield stress	85 / -	MPa	ISO 527-1/-2			
Yield strain	4 / -	%	ISO 527-1/-2			
Nominal strain at break	>50 / -	%	ISO 527-1/-2			
Thermal properties	dry / cond	Unit	Test Standard			
ISO Data						
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3			
Coeff. of linear therm. expansion, parallel	100 / *	E-6/K	ISO 11359-1/-2			
Electrical properties	dry / cond	Unit	Test Standard			
ISO Data						
Relative permittivity, 100Hz	3.4 / -	-	IEC 60250			
Relative permittivity, 1MHz	3.1 / -	-	IEC 60250			
Dissipation factor, 100Hz	65 / -	E-4	IEC 60250			
Dissipation factor, 1MHz	165 / -	E-4	IEC 60250			
Volume resistivity	1E13 / -	Ohm*m	IEC 60093			
Surface resistivity	* / 1E15	Ohm	IEC 60093			
Electric strength	25 / -	kV/mm	IEC 60243-1			
Other properties	dry / cond	Unit	Test Standard			
ISO Data						
Water absorption	9.5 / *	%	Sim. to ISO 62			
Humidity absorption	2.5 / *	%	Sim. to ISO 62			
Density	1130 / -	kg/m³	ISO 1183			
Material specific properties	dry / cond	Unit	Test Standard			
ISO Data						
Viscosity number	370 / *	cm³/g	ISO 307, 1157, 1628			
Rheological calculation properties	Value	Unit	Test Standard			
ISO Data						
Ejection temperature	185	°C	-			
Test specimen production	Value	Unit	Test Standard			
ISO Data						
Processing conditions acc. ISO	1870	-	ISO-2			
Injection Molding, melt temperature	275	°C	ISO 294			
Injection Molding, mold temperature	80	°C	ISO 10724			
Injection Molding, injection velocity	200	mm/s	ISO 294			

Diagrams

Viscosity-shear rate



Shearstress-shear rate



Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion

Additives

Lubricants

Delivery form

Pellets