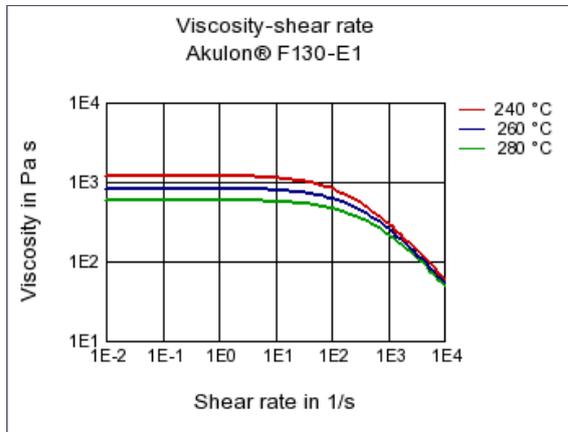




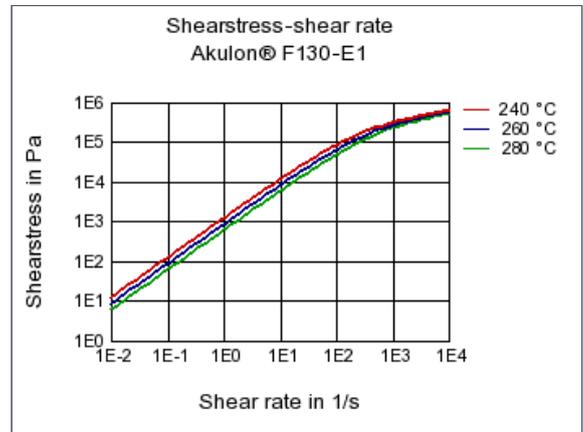
Akulon® F130-E1			
PA6		DSM Engineering Plastics	
Product Texts			
Medium Viscosity, Nucleated, Lubricated, Film Extrusion			
ISO 1043 PA6			
Thermal properties			
	Value	Unit	Test Standard
ISO Data			
Melting temperature (10°C/min)	220	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion, parallel	90	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	90	E-6/K	ISO 11359-1/-2
Other properties			
	Value	Unit	Test Standard
ISO Data			
Water absorption	9	%	Sim. to ISO 62
Humidity absorption	2.8	%	Sim. to ISO 62
Density	1130	kg/m ³	ISO 1183
Film Properties			
	Value	Unit	Test Standard
ISO Data			
Stress at yield, parallel	34	MPa	ISO 527-3
Maximum stress, parallel	96	MPa	ISO 527-3
Maximum strain, parallel	350	%	ISO 527-3
Trouser Tear resistance, parallel	33	N/mm	ISO 6383-1
Dynamic coefficient of friction	0.8	-	ISO 8295
WVTR, 23°C/85%r.h.	35	g/(m ² *d)	DIS 15106-1/-2
Oxygen transmission rate, 23°C/0%r.h.	20	cm ³ /(m ² *d*bar)	DIS 15105-1/-2
Oxygen transmission rate, 23°C/85%r.h.	31	cm ³ /(m ² *d*bar)	DIS 15105-1/-2
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-
Material specific properties			
	Value	Unit	Test Standard
ISO Data			
Viscosity number	195	cm ³ /g	ISO 307, 1157, 1628

Diagrams

Viscosity-shear rate



Shearstress-shear rate



Characteristics

Processing

Film Extrusion, Other Extrusion, Casting

Additives

Lubricants

Delivery form

Pellets

Other text information

Injection Molding

[Injection Molding Recommendations](#)

Film extrusion

[Processing of Akulon film grades](#)