



Akulon® F130-C1			
PA6 DSM Engineering Plastics			
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
Other properties			
ISO Data			
Water absorption	9	%	Sim. to ISO 62
Humidity absorption	2.8	%	Sim. to ISO 62
Density	1130	kg/m³	ISO 1183
Film Properties			
ISO Data			
Stress at yield, parallel	31	MPa	ISO 527-3
Maximum stress, parallel	82	MPa	ISO 527-3
Maximum strain, parallel	350	%	ISO 527-3
Trouser Tear resistance, parallel	32	N/mm	ISO 6383-1
Dynamic coefficient of friction	1	-	ISO 8295
WVTR, 23°C/85%r.h.	35	g/(m²*d)	DIS 15106-1/-2
Oxygen transmission rate, 23°C/0%r.h.	26	cm³/(m²*d*bar)	DIS 15105-1/-2
Oxygen transmission rate, 23°C/85%r.h.	38	cm³/(m²*d*bar)	DIS 15105-1/-2
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-
Material specific properties			
ISO Data			
Viscosity number	196	cm³/g	ISO 307, 1157, 1628
Characteristics			
Processing		Additives	
Film Extrusion, Other Extrusion, Casting		Lubricants	
Delivery form			
Pellets			