

TECHNICAL DATA SHEET

Akulon® F132-C1

Envalior
PA6

Processing

Film extrusion, Other extrusion, Casting

Delivery Form

Pellets

Additives

Lubricants

Certifications

Food contact

Product Text

Product Information

Medium/High Viscosity, Film Extrusion, Lubricated, Food Contact Quality

ISO 1043 PA6

Thermal Properties	Value	Unit	Standard
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	Value	Unit	Standard
Water absorption	9.5	%	Sim. to ISO 62
Humidity absorption	2.5	%	Sim. to ISO 62
Density	1130	kg/m ³	ISO 1183
Film Properties	Value	Unit	Standard
Stress at yield, parallel	32	MPa	ISO 527-3
Maximum stress, parallel	83	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/(m ² *d)	ISO 15106-1/-2
Oxygen transmission rate, 23°C/0%r.h.	26	cm ³ /(m ² *d*bar)	ISO 15105-1/-2
Oxygen transmission rate, 23°C/85%r.h.	38	cm ³ /(m ² *d*bar)	ISO 15105-1/-2
Type of extrusion	cast		

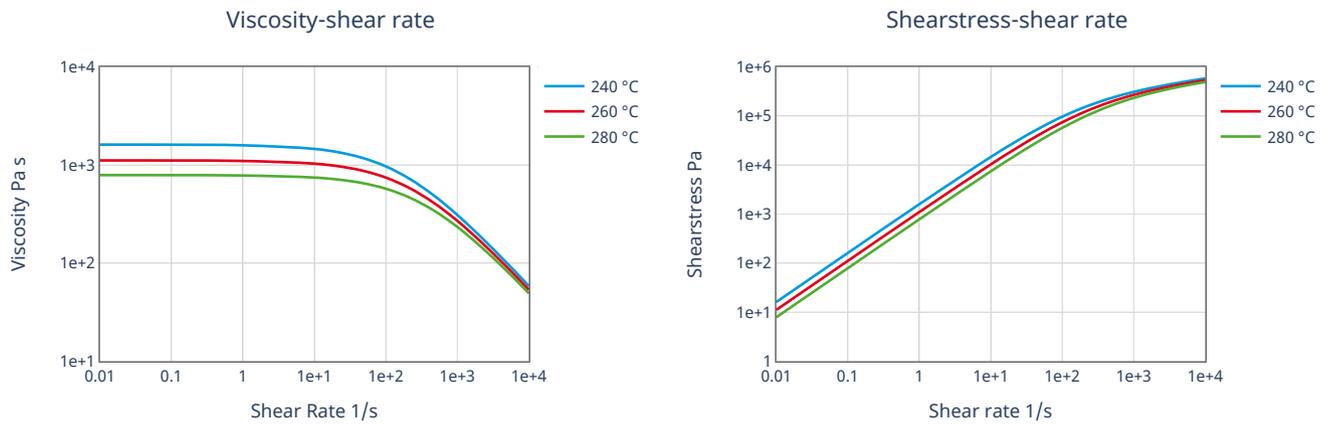
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Film Properties	Value	Unit	Standard
Thickness of specimen	0.05	mm	

Material Specific Properties	Value	Unit	Standard
Viscosity number	210	cm ³ /g	ISO 307, 1157, 1628

Diagrams



Processing Information

Film extrusion

Processing of Akulon® Film Grades