

Akulon[®] F236–C

PA6

High Viscosity, Lubricated, Food Contact Quality

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	2700 / –	MPa	ISO 527–1/–2
Strain at break	>50 / –	%	ISO 527–1/–2
Yield stress	78 / –	MPa	ISO 527–1/–2
Yield strain	4.2 / –	%	ISO 527–1/–2
Charpy notched impact strength (+23°C)	6.6 / –	kJ/m ²	ISO 179/1eA
Charpy notched impact strength (–30°C)	3.3 / –	kJ/m ²	ISO 179/1eA
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Burning Behav. at 1.5 mm nom. thickn.	HB / *	class	IEC 60695–11–10
Thickness tested	1.5 / *	mm	IEC 60695–11–10
Burning Behav. at 3.0 mm nom. thickn.	HB / *	class	IEC 60695–11–10
Thickness tested	3 / *	mm	IEC 60695–11–10
OTHER PROPERTIES			
	DRY / COND		
Water absorption	9.5 / *	%	Sim. to ISO 62
Humidity absorption	2.5 / *	%	Sim. to ISO 62
Density	1130 / –	kg/m ³	ISO 1183
MATERIAL SPECIFIC PROPERTIES			
	DRY / COND		
Viscosity number	244 / *	cm ³ /g	ISO 307, 1157, 1628