

Akulon® F-X9222

PA6

Low/Medium Viscosity, Heat Stabilized, High Monomer Content PA6

Properties	Typical Data	Unit	Test Method
Mechanical properties	dry / cond		
Tensile modulus	2800 / -	MPa	ISO 527-1/-2
Nominal strain at break	>50 / -	%	ISO 527-1/-2
Yield stress	76 / -	MPa	ISO 527-1/-2
Yield strain	4 / -	%	ISO 527-1/-2
Flexural modulus	2600 / -	MPa	ISO 178
Flexural strength	84 / -	MPa	ISO 178
Charpy impact strength (+23°C)	N / N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength (+23°C)	5.3 / -	kJ/m ²	ISO 179/1eA
Thermal properties	dry / cond		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Coeff. of linear therm. expansion (parallel)	0.9 / *	E-4/°C	ISO 11359-1/-2
Coeff. of linear therm. expansion (normal)	1 / *	E-4/°C	ISO 11359-1/-2
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	162 / *	cm ³ /g	ISO 307, 1157, 1628

