

Akulon[®] Ultraflow K–FHXGM35 BK26011

PA6–(GF+MD)

Glass/Mineral Reinforced, Heat Stabilized, High Flow, Electrostatically Powder Coatable

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
MECHANICAL PROPERTIES			
	DRY / COND		
Tensile modulus	12000 / –	MPa	ISO 527-1/-2
Stress at break	150 / –	MPa	ISO 527-1/-2
Strain at break	1.8 / –	%	ISO 527-1/-2
Flexural modulus	11500 / –	MPa	ISO 178
Flexural strength	210 / –	MPa	ISO 178
Charpy impact strength (+23°C)	4.5 / –	kJ/m ²	ISO 179/1eU
Izod notched impact strength (+23°C)	4.8 / –	kJ/m ²	ISO 180/1A
THERMAL PROPERTIES			
	DRY / COND		
Melting temperature (10°C/min)	220 / *	°C	ISO 11357-1/-3
Temp. of deflection under load (1.80 MPa)	205 / *	°C	ISO 75-1/-2
Temp. of deflection under load (0.45 MPa)	215 / *	°C	ISO 75-1/-2
ELECTRICAL PROPERTIES			
	DRY / COND		
Surface resistivity	– / 500	Ohm	IEC 62631-3-2
OTHER PROPERTIES			
	DRY / COND		
Water absorption	5.5 / *	%	Sim. to ISO 62
Humidity absorption	1.7 / *	%	Sim. to ISO 62
Density	1420 / –	kg/m ³	ISO 1183