

Akulon® Ultraflow K-FHXGM35 BK26011

PA6-(GF+MD)

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

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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/m²	ISO 179/1eU
Izod notched impact strength (+23°C)	4.8 / –	kJ/m²	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/m³	ISO 1183

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