

Durethan® BM25FN21 DUS898

Akulon® K222–KMV5/I

PA6—MD25 FR(30)

25% Mineral Reinforced, Heat Stabilized, Flame Retardant (halogen free)

Print Date: 2026–01–28

PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
RHEOLOGICAL PROPERTIES		DRY / COND	
Molding shrinkage (parallel)	0.91 / *	%	ISO 294–4
Molding shrinkage (normal)	0.82 / *	%	ISO 294–4
MECHANICAL PROPERTIES		DRY / COND	
Tensile modulus	6000 / –	MPa	ISO 527–1/–2
Stress at break	60 / 35	MPa	ISO 527–1/–2
Strain at break	2.2 / 25	%	ISO 527–1/–2
Flexural modulus	6500 / –	MPa	ISO 178
Flexural strength	110 / –	MPa	ISO 178
Charpy impact strength (+23°C)	29 / –	kJ/m²	ISO 179/1eU
Charpy impact strength (–30°C)	25 / –	kJ/m²	ISO 179/1eU
Charpy notched impact strength (+23°C)	2 / –	kJ/m²	ISO 179/1eA
Charpy notched impact strength (–30°C)	2 / –	kJ/m²	ISO 179/1eA
THERMAL PROPERTIES		DRY / COND	
Melting temperature (10°C/min)	220 / *	°C	ISO 11357–1/–3
Temp. of deflection under load (1.80 MPa)	110 / *	°C	ISO 75–1/–2
Temp. of deflection under load (0.45 MPa)	205 / *	°C	ISO 75–1/–2
Burning Behav. at 1.5 mm nom. thickn.	V–2 / *	class	IEC 60695–11–10
Thickness tested	1.6 / *	mm	IEC 60695–11–10
Glow Wire Flammability Index GWFI	960 / –	°C	IEC 60695–2–12
GWFI (Thickness (1) tested)	1.5 / –	mm	IEC 60695–2–12

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Property Data

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PROPERTIES	TYPICAL DATA	UNIT	TEST METHOD
ELECTRICAL PROPERTIES			
	DRY / COND		
Volume resistivity	>1E13 / –	Ohm*m	IEC 62631-3-1
Surface resistivity	– / >1E15	Ohm	IEC 62631-3-2
OTHER PROPERTIES			
	DRY / COND		
Water absorption	6.2 / *	%	Sim. to ISO 62
Humidity absorption	1.8 / *	%	Sim. to ISO 62
Density	1380 / –	kg/m³	ISO 1183

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