

Akulon® K222-KGV5

Polyamide 6
DSM Engineering Plastics

Message:

Akulon® K222-KGV5 is a Polyamide 6 (Nylon 6) material filled with 25% glass fiber. It is available in Asia Pacific.
Important attributes of Akulon® K222-KGV5 are:
Flame Rated
Flame Retardant
Halogen Free
Heat Stabilizer

General Information			
UL YellowCard	E47960-100613363		
Filler / Reinforcement	Glass Fiber,25% Filler by Weight		
Additive	Flame Retardant		
	Heat Stabilizer		
Features	Flame Retardant		
	Halogen Free		
	Heat Stabilized		
Physical	Nominal Value	Unit	Test Method
Density	1.37	g/cm ³	ISO 1183
Molding Shrinkage			ISO 294-4
Across Flow	1.0	%	
Flow	0.60	%	
Water Absorption			ISO 62
Saturation, 23°C	6.1	%	
Equilibrium, 23°C, 50% RH	1.6	%	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	6500	MPa	ISO 527-2
Tensile Stress (Break)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	4.8	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	4.0	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	220	°C	ISO 11357-3
Flammability	Nominal Value	Unit	Test Method
Flammability Classification			IEC 60695-11-10, -20
0.800 mm	V-2		
1.60 mm	V-2		

Glow Wire Flammability Index		IEC 60695-2-12
0.750 mm	960	°C
1.60 mm	960	°C
NOTE		
1.	10°C/min	

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Recommended distributors for this material

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