

Akulon® K240-HP

Polyamide 6
DSM Engineering Plastics

Message:

Akulon® K240-HP is a Polyamide 6 (Nylon 6) material. It is available in Europe or North America for extrusion blow molding.
Important attributes of Akulon® K240-HP are:
Flame Rated
Heat Stabilizer
Impact Modified

General Information				
Additive		Heat Stabilizer Impact Modifier		
Features		Heat Stabilized Impact Modified		
Processing Method		Extrusion Blow Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.10	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	9.0	--	%	
Equilibrium, 23°C, 50% RH	3.0	--	%	
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2500	--	MPa	ISO 527-2
Tensile Stress (Yield)	70.0	--	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	--	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	--	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	20	--	kJ/m ²	
23°C	50	--	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	170	--	°C	ISO 75-2/B

1.8 MPa, Unannealed	60.0	--	°C	ISO 75-2/A
CLTE				ISO 11359-2
Flow	1.0E-4	--	cm/cm/°C	
Transverse	1.4E-4	--	cm/cm/°C	
Flammability	Dry	Conditioned		Test Method
Flammability Classification (1.60 mm)	HB	--		IEC 60695-11-10, -20

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Recommended distributors for this material

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