

Akulon® F150-CZ

Polyamide 6
DSM Engineering Plastics

Message:

Akulon® F150-CZ is a Polyamide 6 (Nylon 6) material. It is available in Europe.
Important attributes of Akulon® F150-CZ are:
High Viscosity
Lubricated

General Information				
UL YellowCard		E47960-240083		
Additive		Lubricant		
Features		Lubricated		
		Ultra High Viscosity		
Multi-Point Data		Specific Volume vs Temperature (ISO 11403-2)		
		Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	9.5	--	%	
Equilibrium, 23°C, 50% RH	2.5	--	%	
Viscosity Number	370	--	cm³/g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3200	--	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	--	MPa	ISO 527-2
Tensile Strain (Yield)	4.0	--	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	--	%	ISO 527-2
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ¹	220	--	°C	ISO 11357-3
CLTE - Flow	1.0E-4	--	cm/cm/°C	ISO 11359-2
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+15	ohms	IEC 60093
Volume Resistivity	1.0E+15	--	ohms·cm	IEC 60093
Electric Strength	25	--	kV/mm	IEC 60243-1
Relative Permittivity				IEC 60250
100 Hz	3.40	--		
1 MHz	3.10	--		
Dissipation Factor				IEC 60250

100 Hz	6.5E-3	--
1 MHz	0.017	--

NOTE

1. 10°C/min

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Recommended distributors for this material

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