

Akulon® S245-C

Polyamide 66
DSM Engineering Plastics

Message:

Akulon® S245-C is a Polyamide 66 (Nylon 66) material. It is available in Europe. Primary attribute of Akulon® S245-C: High Viscosity.

General Information			
Features	High Viscosity		
Forms	Pellets		
Multi-Point Data	Specific Heat vs. Temperature (ISO 11403-2)		
	Specific Volume vs Temperature (ISO 11403-2)		
	Viscosity vs. Shear Rate (ISO 11403-2)		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	9.0	%	
Equilibrium, 23°C, 50% RH	2.5	%	
Viscosity Number	330	cm³/g	ISO 307
Impact	Nominal Value		Test Method
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	260	°C	ISO 11357-3
CLTE - Flow	9.0E-5	cm/cm/°C	ISO 11359-2
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Electric Strength	25	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
100 Hz	3.60		
1 MHz	3.30		
Dissipation Factor			IEC 60250
100 Hz	9.0E-3		
1 MHz	0.022		
NOTE			
1.	10°C/min		

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