

Akulon® F-X9215

Polyamide 6
DSM Engineering Plastics

Message:

Akulon® F-X9215 is a Polyamide 6 (Nylon 6) material. It is available in Asia Pacific. Primary attribute of Akulon® F-X9215: Medium Viscosity.

General Information				
Features		Medium Viscosity		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.13	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	9.5	--	%	
Equilibrium, 23°C, 50% RH	2.5	--	%	
Viscosity Number	162	--	cm ³ /g	ISO 307
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	2000	--	MPa	ISO 527-2
Tensile Stress (Break)	60.0	--	MPa	ISO 527-2
Tensile Strain (Break)	8.0	--	%	ISO 527-2
Nominal Tensile Strain at Break	> 50	--	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	7.0	--	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break	No Break		ISO 179/1eU
Thermal	Dry	Conditioned	Unit	Test Method
Melting Temperature ¹	220	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	9.0E-5	--	cm/cm/°C	
Transverse	1.0E-4	--	cm/cm/°C	
Injection	Dry	Unit		
Drying Temperature	80.0		°C	
Drying Time	4.0 to 8.0		hr	
Rear Temperature	230 to 235		°C	
Middle Temperature	235 to 250		°C	
Front Temperature	240 to 260		°C	
Nozzle Temperature	240 to 270		°C	
Processing (Melt) Temp	240 to 275		°C	
Mold Temperature	50.0 to 80.0		°C	
Injection Rate	Moderate-Fast			

Back Pressure	3.00 to 10.0	MPa
Screw Compression Ratio	2.5:1.0	
NOTE		
1.	10°C/min	

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Recommended distributors for this material

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