

Chemlon® JW21

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

JW21 is a medium viscosity grade of nylon 6 designed for wire coating extrusion. JW21 is heavily pigmented and is designed to provide good opacity even with thin coatings. It also features a lubrication system that is designed to ensure excellent adhesion between the wire and the coating - as well as optimal processing characteristics at high line speeds. JW21 is available in a range of colours - including heavy metal free options.

General Information			
Additive	Lubricant		
Features	Workability, good		
	Good adhesion		
	Lubrication		
	Medium viscosity		
Uses	Wire and cable applications		
Appearance	Available colors		
Processing Method	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14 - 1.38	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	3000 - 3600	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0 - 95.0	°C	ISO 75-2/A
Additional Information	Nominal Value	Unit	Test Method
Filler Content	0.0 - 25	%	Internal method
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	20	hr	
Cylinder Zone 1 Temp.	250 - 300	°C	
Cylinder Zone 3 Temp.	250 - 300	°C	
Cylinder Zone 5 Temp.	250 - 300	°C	
Melt Temperature	250 - 300	°C	
Extrusion instructions			

No drying is necessary unless the material has been exposed to air for longer than three hours. The appearance of splash marks on the surface of mouldings indicates excessive moisture is present.

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