

Chemlon® MD21

Polyamide 6

Teknor Apex Company (Chem Polymer)

Message:

MD21 is a medium viscosity grade of nylon 6 designed for wire coating extrusion. MD21 is heavily pigment 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. MD21 is available in a range of colours - including heavy metal free options.

General Information			
Additive	Lubricant		
Features	Good Adhesion		
	Good Processability		
	Lubricated		
Uses	Wire & Cable Applications		
	Wire Jacketing		
Appearance	Colors Available		
	Opaque		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.14 to 1.38	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	3000 to 3600	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	85.0 to 95.0	°C	ISO 75-2/A
Additional Information	Nominal Value	Unit	Test Method
Filler Content	0.0 to 25	%	Internal Method
Extrusion	Nominal Value	Unit	
Drying Temperature	80.0 to 100	°C	
Drying Time	2.0	hr	
Cylinder Zone 1 Temp.	250 to 300	°C	
Cylinder Zone 3 Temp.	250 to 300	°C	
Cylinder Zone 5 Temp.	250 to 300	°C	
Melt Temperature	< 300	°C	

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