



Chemlon® MD21

Teknor Apex Company - Polyamide 6

General Information

Product Description

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

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Lubricant		
Features	• Good Adhesion	• Good Processability	• Lubricated
Uses	• Wire & Cable Applications	• Wire Jacketing	
Appearance	• Colors Available	• Opaque	
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties ¹

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	435000 to 522000	psi	ISO 178
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 264 psi, Unannealed	185 to 203	°F	ISO 75-2/A
Additional Information	Nominal Value	Unit	Test Method
Filler Content	0.0 to 25	%	Internal Method

Processing Information

Extrusion	Nominal Value	Unit
Drying Temperature	176 to 212	°F
Drying Time	2.0	hr
Cylinder Zone 1 Temp.	482 to 572	°F
Cylinder Zone 3 Temp.	482 to 572	°F
Cylinder Zone 5 Temp.	482 to 572	°F
Melt Temperature	< 572	°F

Notes

¹ Typical properties: these are not to be construed as specifications.