



Chemlon® JW21

Teknor Apex Company (Chem Polymer) - Polyamide 6

General Information

Product Description

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

Material Status	• Commercial: Active
Availability	• Europe
Additive	• Lubricant
Features	• Good Adhesion • Lubricated • Good Processability • Medium Viscosity
Uses	• Wire & Cable Applications
Appearance	• Colors Available
Processing Method	• Wire & Cable 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
Heat Deflection Temperature (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	°F
Drying Time	20	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	482 to 572	°F

Extrusion Notes

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.

Notes

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