

Beetle® PET140

Polyethylene Terephthalate

Teknor Apex Company (Chem Polymer)

Message:

PET140 is a modified PET extrusion grade specifically formulated for use in wire coating applications. It is highly pigmented to provide colour strength and opacity in thin coatings. It is also heat stabilised to allow for high temperature stress relieving operations.

General Information			
Additive	Impact modifier		
	heat stabilizer		
Uses	Wire and cable applications		
	Wire sheath		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.32 - 1.48	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	1950 - 2500	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	60.0 - 80.0	°C	ISO 75-2/A
Additional Information	Nominal Value	Unit	Test Method
Filler Content	0.0 - 20	%	Internal method
Extrusion	Nominal Value	Unit	
Drying Temperature	140	°C	
Drying Time	4.0	hr	
Cylinder Zone 1 Temp.	260 - 300	°C	
Cylinder Zone 3 Temp.	260 - 300	°C	
Cylinder Zone 5 Temp.	260 - 300	°C	
Melt Temperature	< 300	°C	
Extrusion instructions			

Polyester grades are very sensitive to moisture content during processing. Suitable pre-drying is essential. Excess moisture causes rapid hydrolytic degradation of the melt and severe impairment of mechanical properties. Low melt viscosity & brittle product are often the key indicators. Vacuum or dehumidified air driers must be used.

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