

Arnite® A06 300

Polyethylene Terephthalate
DSM Engineering Plastics

Message:

Arnite® A06 300 is a Polyethylene Terephthalate (PET) material. It is available in Europe for extrusion. Primary attribute of Arnite® A06 300: High Viscosity.

General Information			
Features	Ultra High Viscosity		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.40	g/cm ³	ISO 1183
Water Absorption			ISO 62
Saturation, 23°C	0.75	%	
Equilibrium, 23°C, 50% RH	0.30	%	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	255	°C	ISO 11357-3
Fill Analysis	Nominal Value	Unit	Test Method
Melt Thermal Conductivity	0.24	W/m/K	
Specific Heat Capacity of Melt	2050	J/kg/°C	
RSV ²	2.04		Internal Method
Injection	Nominal Value	Unit	
Drying Temperature	100 to 120	°C	
Drying Time	3.0 to 12	hr	
Rear Temperature	270 to 280	°C	
Middle Temperature	270 to 290	°C	
Front Temperature	270 to 290	°C	
Nozzle Temperature	270 to 290	°C	
Processing (Melt) Temp	270 to 290	°C	
Mold Temperature	130 to 140	°C	
Injection Rate	Moderate-Fast		
Back Pressure	3.00 to 10.0	MPa	
Screw Compression Ratio	2.5:1.0		
NOTE			
1.	10°C/min		
2.	m-cresol, 1g/100ml		

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Recommended distributors for this material

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