

# Arnite® T08 200 (extrusion)

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® T08 200 (extrusion) is a Polybutylene Terephthalate (PBT) material. It is available in Asia Pacific or Europe for extrusion or injection molding. Primary attribute of Arnite® T08 200 (extrusion): High Viscosity.

General Information	
UL YellowCard	E47960-240126
Features	High Viscosity
Forms	Pellets
Processing Method	Extrusion Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	1.30	g/cm <sup>3</sup>	ISO 1183
Melt Volume-Flow Rate (MVR) (250°C/2.16 kg)	10.0	cm <sup>3</sup> /10min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.45	%	
Equilibrium, 23°C, 50% RH	0.18	%	

Thermal	Nominal Value	Unit	Test Method
Melting Temperature <sup>1</sup>	225	°C	ISO 11357-3

Fill Analysis	Nominal Value	Unit	Test Method
Melt Thermal Conductivity	0.11	W/m/K	
Specific Heat Capacity of Melt	2260	J/kg/°C	
RSV <sup>2</sup>	2.40		Internal Method

Injection	Nominal Value	Unit
Drying Temperature	100 to 120	°C
Drying Time	3.0 to 12	hr
Rear Temperature	230 to 240	°C
Middle Temperature	230 to 250	°C
Front Temperature	240 to 260	°C
Nozzle Temperature	240 to 260	°C
Processing (Melt) Temp	240 to 270	°C
Mold Temperature	60.0 to 100	°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

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#### Recommended distributors for this material

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