

Arnite® TV4 244 S

Polybutylene Terephthalate

DSM Engineering Plastics

Message:

Arnite® TV4 244 S is a Polybutylene Terephthalate (PBT) material filled with 20% glass fiber. It is available in Asia Pacific or Europe.

Important attributes of Arnite® TV4 244 S are:

Flame Rated

Flame Retardant

General Information			
UL YellowCard	E47960-100876156		
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Additive	Flame Retardant		
Features	Flame Retardant		
Physical	Nominal Value	Unit	Test Method
Density	1.60	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8500	MPa	ISO 527-2
Tensile Stress (Break)	115	MPa	ISO 527-2
Tensile Strain (Break)	2.7	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	6.4	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179/1eU
Flammability	Nominal Value	Test Method	
Flammability Classification (1.50 mm)	V-0	IEC 60695-11-10, -20	
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	235 to 250	°C	
Front Temperature	240 to 255	°C	
Nozzle Temperature	240 to 260	°C	
Processing (Melt) Temp	240 to 260	°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		

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