

Arnitel® VT3108

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® VT3108 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for extrusion.

General Information			
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.25	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	10.0	cm ³ /10min	ISO 1133
Water Absorption (Saturation, 23°C)	33	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	110	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	20.0	MPa	
5.0% Strain	5.10	MPa	
10% Strain	8.10	MPa	
50% Strain	12.5	MPa	
100% Strain	14.1	MPa	
Nominal Tensile Strain at Break	280	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	No Break		
23°C	No Break		
Notched Izod Impact Strength			ISO 180/1A
-30°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	156	°C	ISO 306/A50
--	44.0	°C	ISO 306/B50
Melting Temperature ¹	185	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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