

Arnitel® EB464-01

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® EB464-01 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for blow molding.

General Information			
Additive	Antisqueak		
Uses	Blow Molding Applications		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.15	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/10.0 kg)	6.50	cm ³ /10min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.70	%	
Equilibrium, 23°C, 50% RH	0.30	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	37		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	65.0	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	21.0	MPa	
5.0% Strain	3.50	MPa	
10% Strain	6.00	MPa	
50% Strain	11.2	MPa	
100% Strain	14.0	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
-20°C	No Break		
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	214	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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