

Arnitel® EB463

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® EB463 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for blow molding.

General Information			
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)	10.5	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)	38		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	65.0	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	18.0	MPa	
5.0% Strain	3.50	MPa	
10% Strain	6.00	MPa	
50% Strain	11.5	MPa	
100% Strain	15.0	MPa	
Nominal Tensile Strain at Break	200	%	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	203	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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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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