

Arnitel® PM460-H

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® PM460-H is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for injection molding. Primary attribute of Arnitel® PM460-H: Heat Stabilizer.

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	9.60	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	45		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	120	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	19.5	MPa	
5.0% Strain	5.40	MPa	
10% Strain	8.40	MPa	
50% Strain	13.3	MPa	
100% Strain	15.5	MPa	
Nominal Tensile Strain at Break	210	%	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
Heat Deflection Temperature (0.45 MPa, Unannealed)	65.0	°C	ISO 75-2/B
Melting Temperature ¹	216	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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