

Arnitel® PM471

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® PM471 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for injection molding.

General Information			
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.20	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	12.5	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	44		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	150	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	16.5	MPa	
5.0% Strain	6.20	MPa	
10% Strain	8.70	MPa	
50% Strain	12.2	MPa	
100% Strain	13.9	MPa	
Nominal Tensile Strain at Break	220	%	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
Melting Temperature ¹	217	°C	ISO 11357-3
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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