

Arnitel® PM650

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® PM650 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for extrusion. Primary attribute of Arnitel® PM650: Flame Rated.

General Information			
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.50	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	62		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	400	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	26.8	MPa	
5.0% Strain	16.4	MPa	
10% Strain	22.2	MPa	
50% Strain	25.6	MPa	
100% Strain	27.1	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	11	kJ/m ²	
23°C	37	kJ/m ²	
Notched Izod Impact Strength (23°C)	37	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	221	°C	ISO 11357-3
Flammability	Nominal Value		Test Method
Flammability Classification (1.50 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

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Recommended distributors for this material

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