

Arnitel® XG5857

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® XG5857 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for extrusion. Primary attribute of Arnitel® XG5857: Flame Rated.

General Information			
UL YellowCard	E47960-101959717		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.30	cm ³ /10min	ISO 1133
Water Absorption ¹			Internal Method
Saturation, 23°C	0.20	%	
Equilibrium, 23°C, 50% RH	0.65	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 3 sec)	88		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	60.0	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	10.6	MPa	
10% Strain	3.50	MPa	
100% Strain	5.30	MPa	
Nominal Tensile Strain at Break	440	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ²	195	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.3E+10	ohms · cm	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.800 mm)	V-2		IEC 60695-11-10, -20
NOTE			
1.	Similar to ISO 62		
2.	10°C/min		

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Recommended distributors for this material

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