

Arnitel® XG6029

Thermoplastic Copolyester Elastomer
DSM Engineering Plastics

Message:

Arnitel® XG6029 is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Asia Pacific, Europe, or North America for extrusion. Primary attribute of Arnitel® XG6029: Flame Rated.

General Information			
UL YellowCard	E47960-100500083		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	4.00	cm³/10min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.20	%	
Equilibrium, 23°C, 50% RH	0.64	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 3 sec	88		
Shore D, 3 sec	42		
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	45.0	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	9.70	MPa	
10% Strain	2.60	MPa	
100% Strain	4.50	MPa	
Nominal Tensile Strain at Break	420	%	ISO 527-2
Thermal	Nominal Value	Unit	Test Method
Melting Temperature ¹	180	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.8E-4	cm/cm/°C	
Transverse	1.9E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	8.3E+12	ohms · cm	IEC 60093
Electric Strength	20	kV/mm	IEC 60243-1
Relative Permittivity			IEC 60250
100 Hz	3.70		
1 MHz	3.50		
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (0.800 mm)	V-2		IEC 60695-11-10, -20

NOTE

1. 10°C/min

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Recommended distributors for this material

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