

Arnitel® EM630-H

Thermoplastic Copolyester Elastomer

DSM Engineering Plastics

Message:

Arnitel® EM630-H is a Thermoplastic Copolyester Elastomer (TPC-ET) material. It is available in Europe for extrusion.

Important attributes of Arnitel® EM630-H are:

- Flame Rated
- Heat Stabilizer

General Information			
Additive	Heat Stabilizer		
Features	Heat Stabilized		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.24	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (240°C/2.16 kg)	3.70	cm ³ /10min	ISO 1133
Water Absorption			ISO 62
Saturation, 23°C	0.63	%	
Equilibrium, 23°C, 50% RH	0.18	%	
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 3 sec)	59		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	310	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Break	35.0	MPa	
5.0% Strain	11.0	MPa	
10% Strain	16.0	MPa	
50% Strain	19.0	MPa	
100% Strain	16.0	MPa	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	12	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature			
--	200	°C	ISO 306/A50
--	125	°C	ISO 306/B50
Melting Temperature ¹	212	°C	ISO 11357-3
CLTE			ISO 11359-2
Flow	1.5E-4	cm/cm/°C	

Transverse	1.5E-4	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.2E+13	ohms·cm	IEC 60093
Electric Strength	22	kV/mm	IEC 60243-1
Relative Permittivity (1 MHz)	4.10		IEC 60250
Dissipation Factor (1 MHz)	0.017		IEC 60250
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flammability Classification (1.60 mm)	HB		IEC 60695-11-10, -20
NOTE			
1.	10°C/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
 Phone: +86 13424755533
 Email: sales@su-jiao.com
 No. 215, Lianhe North Road, Fengxian District, Shanghai, China



WECHAT