

DSM Arnitel® CM600-V TPC-ES FR

Category : Polymer , Thermoplastic , Elastomer, TPE , Polyester TPE , Polyester, TP

Material Notes:

Extrusion, Flame Retardant (Halogen free)

Order this product through the following link:

http://www.lookpolymers.com/polymer_DSM-Arnitel-CM600-V-TPC-ES-FR.php

Physical Properties	Metric	English	Comments
Density	1.32 g/cc	0.0477 lb/in ³	ISO 1183
Melt Flow	13 g/10 min @Load 2.16 kg, Temperature 230 °C	13 g/10 min @Load 4.76 lb, Temperature 446 °F	cm ³ /10min Melt Volume-flow Rate; ISO 1133

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	61 @Time 3.00 sec	61 @Time 0.000833 hour	ISO 868
Tensile Strength, Ultimate	20.5 MPa	2970 psi	ISO 527-1/-2
Tensile Stress	16.0 MPa @Strain 5.00 %	2320 psi @Strain 5.00 %	ISO 527-1/-2
	16.0 MPa @Strain 100 %	2320 psi @Strain 100 %	ISO 527-1/-2
	17.5 MPa @Strain 50.0 %	2540 psi @Strain 50.0 %	ISO 527-1/-2
	19.5 MPa @Strain 10.0 %	2830 psi @Strain 10.0 %	ISO 527-1/-2
Elongation at Break	200 %	200 %	ISO 527-1/-2
Tensile Modulus	0.420 GPa	60.9 ksi	ISO 527-1/-2
Izod Impact Resistance	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 180/1A
Charpy Impact, Notched	NB @Temperature 23.0 °C	NB @Temperature 73.4 °F	ISO 179/1eA

Thermal Properties	Metric	English	Comments
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Melting Point Thermal Properties	205 °C Metric	401 °F English	10°C/min: ISO 11357-1/-3 Comments
Electrical Properties	Metric	English	Comments
Volume Resistivity	>= 1.00e+15 ohm-cm	>= 1.00e+15 ohm-cm	IEC 60093
Dielectric Constant	3.7	3.7	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	
Dielectric Strength	4.2	4.2	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	18.7 kV/mm	475 kV/in	IEC 60243-1
Dissipation Factor	0.0157	0.0157	IEC 60250
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.0385	0.0385	IEC 60250
	@Frequency 1.00e+6 Hz	@Frequency 1.00e+6 Hz	

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