

Comco PET

Polyethylene Terephthalate
Comco Nylon GmbH

Message:
Application examples: Gearwheels, levers, handles, control discs, and much more.

General Information			
Uses	Handle		
	Gear		
Appearance	Natural color		
Resin ID (ISO 1043)	PET		
Physical	Nominal Value	Unit	Test Method
Density	1.38	g/cm ³	ISO 1183
Water Absorption (Equilibrium, 23°C, 50% RH)	0.25	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	84		DIN 53505
Ball Indentation Hardness	170	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress (Yield)	85.0	MPa	ISO 527-2
Tensile Strain (Break)	15	%	ISO 527-2
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	3.5	kJ/m ²	ISO 179/1eA
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Melting Temperature	255	°C	ISO 11357
Specific Heat	1100	J/kg/°C	DIN 52612
Thermal Conductivity	0.28	W/m/K	DIN 52612
Service Temperature			
Long Term	-20 - 115	°C	
Short Term		°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+16	ohms	IEC 60093
Volume Resistivity	1.0E+20	ohms · cm	IEC 60093
Dielectric Strength	20	kV/mm	IEC 60243-1
Dielectric Constant (100 Hz)	3.40		IEC 60250
Dissipation Factor (100 Hz)	1.0E-3		IEC 60250
Comparative Tracking Index (Solution A)	600	V	IEC 60112

Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
3.0 mm	HB		UL 94
6.0 mm	HB		UL 94

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

