Typical Properties of PET		
	ASTM Test Method	Value
Mechanical Properties		
Tensile Strength at Break	ASTM D638	12,330 psi
Elongation at Break	ASTM D638	23%
Modulus of Elasticity in Tension	ASTM D638	471 kpsi
Charpy Impact Strength +23°C	ISO 179/1 ep	59 kJ/m <sup>2</sup>
Charpy Notched Impact Strength	ISO 179/1 epA	3.9 kJ/m <sup>2</sup>
Hardness Shore Scale D	-	84
Thermal Properties		
Melting Point Method A	ASTM D3418	490°F
Max Service Temp. for Few Hours Operation	-	320°F
TEP 5,000 Hours (50% of Tensile Strength) <sup>1)</sup>	IEC 216	239°F
TEP 20,000 Hours (50% of Tensile Strength) <sup>1)</sup>	IFC 216	212°F
Thermal Coefficient of Linear Expansion		3.9 x 10 <sup>-5</sup> in/in/°E
Thermal Conductivity Method A	ASTM 0050	2 Btu-in/hr-ft2-°F
Dielectric Properties	A311010177	
Dielectric Constant 1 kHz	ASTM D150	3 40
Dissapation Factor 1 kHz	ASTM D150	0.002
Dielectric Strength	ASTM D130	400 V/mil
Flammability	UL 94	V-0
Surface Besistivity Box	ASTM D257	> 10 <sup>13</sup> Ω
Miscellaneous Properties	, 101111 1023 ,	
Mass Density Method D. F.	150 1192	$1.4  \mathrm{g/cm^3}$
Water Absorption at 72°E 24 hours		0.10%
Water Absorption at 73°E Saturation		0.00%
Peristance to Wear <sup>2)</sup>		1.0.00%
	150 7146-2	1.9 µm/km
	150 /148-2	0.18 - 0.25
Coefficient of Friction <sup>27</sup> dynamic	ISO 7148-2	0.23 - 0.29
Compressive Stress at 2%/5% normal strain	ASTM D695	7,687/14,750 psi
Compressive Stress at Maximum Strain	ASTM D695	15,450 psi
Creep Test 1,000 Hours	ISO 899/1	92,850 psi
1)		
<sup>2</sup> Data of resin only		
<sup>2)</sup> Made by a pin/rotating disc test according DIN-ISO 7148-2 under following conditions		
R <sub>a</sub> = 0.35 - 0.45 μm (steel disc), v = 0.3 m/s, p = 3 N/mm <sup>2</sup> , time T > 16h		
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all information is given without warranty and liability. The reader is cautioned, we cannot		
guarantee the accuracy or completeness of this information, and it is the customer's responsibility		
to determine the suitability of products in any given application.		