

Sermovil Automoción SL.

PA

PROPERTY	TESTCONDITION	TESTSPECIFICATION	UNIT	TYPICAL VALUE
Tensile yield strength		ISO 527	N/mm ²	83
Ultimate elongation		ISO 527	%	5
Flexural strength		ISO 178 / DIN 53452	N/mm ²	
Flexural modulus		ISO 527	N/mm ²	3000
Izod impact strength	23 °C	ISO 180/4A	kJ/m ²	9
Charpy impact strength (notched)	23°C	ISO 179/2C	kJ/m ²	5,5
(unnotched)	23°C	ISO 179/2D	kJ/M ²	n.b.
Impact strength	23 °C -40 °C	ISO 180/1A	kJ/m ²	
Melting point		ISO 1218 / DIN 53461	°C	
Heat deflection temperature	method A method B	ISO 75 / DIN 53461	°C	
Vicat softening temperature	50 N	ISO 306 / DIN 53460	°C	
Glow wire test		IEC 695-2-1	°C	
Coefficient of linear thermal expansion			mm/mm 10 ⁻⁴ /K	
Flammability	FMVSS 302 UL 94	DIN 75200		ok HB
Resistance to tracking		IEC 112 / DIN 53480	V	
Dielectric strength		IEC 243 / DIN 53481	kV/mm	
Surface resistivity		IEC 93	Ω	
Volume resistivity		IEC 93	Ω x cm	
Dielectric constant	10 ² Hz 10 ³ Hz 10 ⁶ Hz	IEC 250		
Dissipation factor	50 Hz 1 MHz	IEC 250 / DIN 53483	10 ⁻⁴	
Density		ISO 1183	g/cm ³	1,13
Water absorption	23°C 50% r.m.	ISO 62	%	3,5
Water absorption		DIN 53495/1L	%	9 - 10
Viscosity number		DIN 53727	ml/g	235
Shore - Hardness	D	ISO 868		76
Tensile strength falling off after 5000 h		ISO 2578	°C	

The values given above are, if not particularly noted differently, determined on undyed test parts at room temperature.

The details have to be regarded as guidelines, but not as guaranteed minimum values, because characteristics can be considerable influenced through tool design and processing conditions. This statement is not of binding nature.