

Sermovil Automoción SL

PP

PROPERTY	TESTCONDITION	TESTSPECIFICATION	UNIT	TYPICAL VALUE
Tensile yield strength		ISO 527 - 2	N/mm ²	22
Ultimate elongation		ISO 527 - 2	%	6
Tensile strength		ISO 527 / ASTM D 638	N/mm ²	25
Tensile modulus		ISO 178	N/mm ²	800
Flexural modulus		ISO 178 / ASTM D 790	N/mm ²	1100
Izod impact strength (unnotched)	23 °C	ISO 179/1eA	kJ/m ²	
(notched)	-20 °C	ISO 179/1eA		
Charpy impact strength	23 °C	ISO 179 /1eA	kJ/m ²	50
	-20 °C			
Melting point			°C	164
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	3,2 mm	UL 94		HB
		FMVSS 302		Typ B
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 / ASTM D 792	g/cm ³	0,92
MFR (Melt Flow Rate)	230°C / 2,16 kg	ISO 1133 / ASTM D 1231	g/min	0,1
Moisture absorption		ISO 1110 / DIN 50014	%	
Hardness	Shore D	ISO 868		60
Ball indentation hardness	H 961/30 H 358/30	ISO 2039 / DIN 53456	N/mm ²	
Mould shrinkage	1,8 mm 3,2 mm	ISO 2577	%	

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 considerably influenced through tool design and processing conditions. This statement is not of binding nature.