

Physical properties	Test method	Value	Unit
Density at +23°C	ISO 1183	0,897	g/cm <sup>3</sup>
Melt mass-flow rate (MFR)	ISO 1133		
190°C/5.0kg		0,55	g/10min
230°C/2.16kg		0,30	g/10min
230°C/5.0kg		1,30	g/10min
Mechanical properties	Test method	Value	Unit
Tensile modulus	ISO 527-2/1	850	MPa
Tensile stress	ISO 527-2/50	24,0	MPa
Tensile strain at yield to 50mm/min	ISO 527-2/50	10	%
Tensile creep modulus	ISO 899-1		
1hr		650	MPa
1000hr		350	MPa
Impact	Test method	Value	Unit
Charpy notched impact	ISO 179		
-30°C		2,50	kJ/m <sup>2</sup>
0°C		4,00	kJ/m <sup>2</sup>
23°C		22,00	kJ/m <sup>2</sup>
Charpy notched impact	ISO 179		
-30°C		43,00	kJ/m <sup>2</sup>
0°C		no break	kJ/m <sup>2</sup>
23°C		no break	kJ/m <sup>2</sup>
Hardness	Test method	Value	Unit
Shore hardness D	ISO 868	65	
Ball indentation hardness	ISO 2039-1	48,0	N/mm <sup>2</sup>
Thermal properties	Test method	Value	Unit
Melting temperature	ISO 3146	147	°C
Thermal conductivity at 20°C	DIN 52612	0,24	W/mK
Coefficient of linear thermal expansion	DIN 53752	1.5·10 <sup>-4</sup>	K <sup>-1</sup>
Vicat softening temperature			
(A50(50°C/h, 10N))	ISO 306/A50	132	°C
(B50(50°C/h, 50N))	ISO 306/B50	69,0	°C
Electrical properties	Test method	Value	Unit
Volume resistivity	DIN 53482	>10 <sup>17</sup>	Ω*cm
Surface resistivity	DIN VDE 0303, T3	>10 <sup>14</sup>	Ω
Dielectric constant	DIN 53483	2,3	10 <sup>6</sup> Hz
Loss factor	DIN 53483	<5*10 <sup>-4</sup>	10 <sup>6</sup> Hz
Dielectric rigidity	DIN 53481	500/650	kV/cm