

Niplene T20 FR V0

Polypropylene homopolymer, talc filled 20%, flame retardant with an UL 94 V0 at 3.2 mm rating

	Properties	Test condition	Method	Unit	Value
Rheological	Melt Flow Index	230 °C / 2,16 Kg	ASTM D1238	g/10min	9
Mechanical	Tensile Stress at Yield	50 mm/min.	ASTM D638	MPa	25
	Flexural Maximum Stress	1,3 mm/min	ASTM D790	MPa	50
	Flexural Elastic Modulus	1,3 mm/min	ASTM D790	MPa	3400
	Rockwell Hardness		ASTM D785	R-scale	86
	Izod Notched Impact Strength	23°C/3,2 mm	ASTM D256	J/m	30
	Elongation	50 mm/min	ASTM D638	%	50
Thermal	Vicat Softening Temperature	49N / 120°C/h	ASTM D 1525	°C	116
	Heat Distortion Temperature H.D.T	1.82 MPa	ASTM D648	°C	90
Flame Behaviour	Glow Wire Temperature (G.W.T)	S=2.0 mm	IEC 695-2-1	°C	960
	UL 94 Rating	S-1.6 mm	UL 94	class	V2
	UL 94 Rating	S-3.2 mm	UL 94	class	V0
Various	Density		ASTM D792	g/cm ³	1,32
	Humidity Content at Equilibrium	23°C / 50 % U.R.	ISO 62	%	0,3
	Moulding Shrinkage	parallel	-	%	0,4-0,8