

Niplene T20 FR V0

Polypropylene Homopolymer

Soredi S.p.a.

Message:

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

General Information			
Filler / Reinforcement	Talc,20% Filler by Weight		
Features	Flame Retardant		
	Homopolymer		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Water Absorption (Equilibrium, 23°C, 50% RH)	0.30	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	86		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	25.0	MPa	ASTM D638
Tensile Elongation ² (Break)	50	%	ASTM D638
Flexural Modulus ³	3400	MPa	ASTM D790
Flexural Strength ⁴ (Break)	50.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, 3.20 mm)	30	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	90.0	°C	ASTM D648
Vicat Softening Temperature	116	°C	ASTM D1525 ⁵
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
1.60 mm	V-2		
3.20 mm	V-0		
Glow Wire Ignition Temperature (2.00 mm)	960	°C	IEC 60695-2-13
NOTE			
1.	50 mm/min		
2.	5.0 mm/min		
3.	1.3 mm/min		

4.	1.3 mm/min
5.	Rate B (120°C/h), Loading 2 (50 N)

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