

Niuk 10TE15

Polypropylene

Shanghai Niuk New Plastic Technology Co., Ltd.

Message:

Niuk 10TE15 is a Polypropylene material filled with 15% talc. It is available in Asia Pacific.

Important attributes of Niuk 10TE15 are:

Flame Rated

Heat Resistant

High Flow

Rigid

Typical application of Niuk 10TE15: Automotive

General Information	
Filler / Reinforcement	Talc,15% Filler by Weight
Features	High Flow High Heat Resistance High Rigidity
Uses	Automotive Applications Automotive Exterior Parts Automotive Instrument Panel Automotive Interior Parts

Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	10	g/10 min	ISO 1133
Molding Shrinkage ¹			ISO 2577
Across Flow : 3.20 mm	0.80 to 1.2	%	
Flow : 3.20 mm	1.0 to 1.2	%	
Ash Content	15	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress	20.0	MPa	ISO 527-2/50
Tensile Strain (Break)	100	%	ISO 527-2/50
Flexural Modulus ²	1700	MPa	ISO 178
Flexural Stress ³	30.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	20	kJ/m ²	ISO 179
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	105	°C	ISO 75-2/B
Flammability	Nominal Value		Test Method
Flame Rating (1.60 mm)	HB		UL 94

NOTE

1.	150x100x3.2 mm
2.	2.0 mm/min
3.	2.0 mm/min

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