

TALCOPRENE® 320TL - PP

Description

Polypropylene, homopolymer, 20% mineral filled.

Physical properties	Value	Unit	Test Standard
Density	65.5	lb/ft ³	ISO 1183
Melt flow rate, MFR	3	g/10min	ISO 1133
MFR temperature	446	°F	ISO 1133
MFR load	4.76	lb	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Tensile modulus	377099	psi	ISO 527-1, -2
Tensile stress at yield, 50mm/min	4640	psi	ISO 527-1, -2
Tensile strain at break, 50mm/min	>20	%	ISO 527-1, -2
Flexural modulus, 23°C	363000	psi	ISO 178
Flexural strength, 23°C	6960	psi	ISO 178
Charpy notched impact strength, 23°C	1.52	ft-lb/in ²	ISO 179/1eA
Izod impact notched, 23°C	1.81	ft-lb/in ²	ISO 180/1A

Thermal properties	Value	Unit	Test Standard
Vicat softening temperature, 50°C/h 50N	205	°F	ISO 306
Flammability @1.6mm nom. thickn.	HB	class	UL 94
Flammability @3.2mm nom. thickn.	HB	class	UL 94

Typical injection moulding processing conditions

Pre Drying	Value	Unit
Drying time	2 - 3	h
Drying temperature	176 - 212	°F

Temperature	Value	Unit
Zone1 temperature	374 - 410	°F
Zone2 temperature	410 - 446	°F
Zone3 temperature	428 - 464	°F
Nozzle temperature	446 - 482	°F
Mold temperature	86 - 140	°F

Other text information

Longer pre-drying times/storage

This product should be stored in a covered facility and kept away from moisture and heat.

Characteristics

Special Characteristics	Auto spec approved
Product Categories	Mineral reinforced
Processing	Injection molding

TALCOPRENE® 320TL - PP**Other Approvals**

OEM	Specification	Additional Information
Bosch	N28 BN09-TS028	Black

General Disclaimer

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