TALCOPRENE® 1522SMT U1

TALCOPRENE®

Polypropylene, homopolymer, 21% mineral filled, high heat and UV stabilized

Product information

Resin Identification	PP-T21	ISO 1043
Part Marking Code	>PP-T21<	ISO 11469

Rheological properties

Melt mass-flow rate	15	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile modulus	334000	psi	ISO 527-1/-2
Tensile stress at yield, 50mm/min	4400	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	4	%	ISO 527-1/-2
Flexural modulus	355000	psi	ISO 178
Flexural strength	5800	psi	ISO 178
Charpy impact strength, 23°C	13.3	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	1.43	ftlb/in²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	327	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	149	°F	ISO 75-1/-2
Vicat softening temperature, 50°C/h 50N	196	°F	ISO 306

Flammability

Burning Behav. at 1.5mm nom. thickn.	HB	class	IEC 60695-11-10
Burning Behav. at thickness h	HB	class	IEC 60695-11-10
Thickness tested	0.1260	in	IEC 60695-11-10

Physical/Other properties

Density	0.0383	lb/in³	ISO 1183

Additional information

Processing Notes

Storage

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

Revised: 2024-01-23 Source: Celanese Materials Database

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