TALCOPRENE® 1020CMV0

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Polypropylene, homopolymer, 20% mineral filled, V0, PBDE free. UL listed for Black only.

Product information

Resin Identification	PP-T20		ISO 1043
Part Marking Code	>PP-T20<		ISO 11469

Rheological properties

Melt mass-flow rate	10	g/10min	ISO 1133
Melt mass-flow rate, Temperature	446	°F	
Melt mass-flow rate, Load	4.76	lb	
Molding shrinkage, parallel	1.0	%	ISO 294-4, 2577
Molding shrinkage range, parallel	0.9 - 1.1	%	ISO 294-4, 2577
Molding shrinkage, normal	0.9	%	ISO 294-4, 2577
Molding shrinkage range, normal	0.8 - 1	%	ISO 294-4, 2577

Typical mechanical properties

Tensile modulus	508000	psi	ISO 527-1/-2
Tensile stress at break, 5mm/min	3920	psi	ISO 527-1/-2
Tensile strain at break, 5mm/min	4	%	ISO 527-1/-2
Flexural modulus	566000	psi	ISO 178
Flexural strength	6530	psi	ISO 178
Charpy impact strength, 23°C	9.51	ftlb/in²	ISO 179/1eU
Charpy notched impact strength, 23°C	0.951	ftlb/in²	ISO 179/1eA
Izod notched impact strength, 23°C	1.05	ftlb/in²	ISO 180/1A

Thermal properties

Vicat softening temperature, 50°C/h 50N	203	°F	ISO 306

Flammability

Burning Behav. at 1.5mm nom. thickn.	V-0	class	IEC 60695-11-10
Burning Behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	0.1260	in	IEC 60695-11-10
Glow Wire Flammability Index, 3.0mm	1760	°F	IEC 60695-2-12
Glow Wire Ignition Temperature, 3.0mm	1340	°F	IEC 60695-2-13
FMVSS Class	SE		ISO 3795 (FMVSS 302)

Electrical properties

Relative permittivity, 2GHz	2.75		IEC 61189-2-721
Dissipation factor, 2GHz	7	E-4	IEC 61189-2-721

Physical/Other properties

Density	0.0498	lb/in³	ISO 1183

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Characteristics

Processing	Injection Molding
Additives	Flame retardant
Special characteristics	Flame retardant

Additional information

Processing Notes

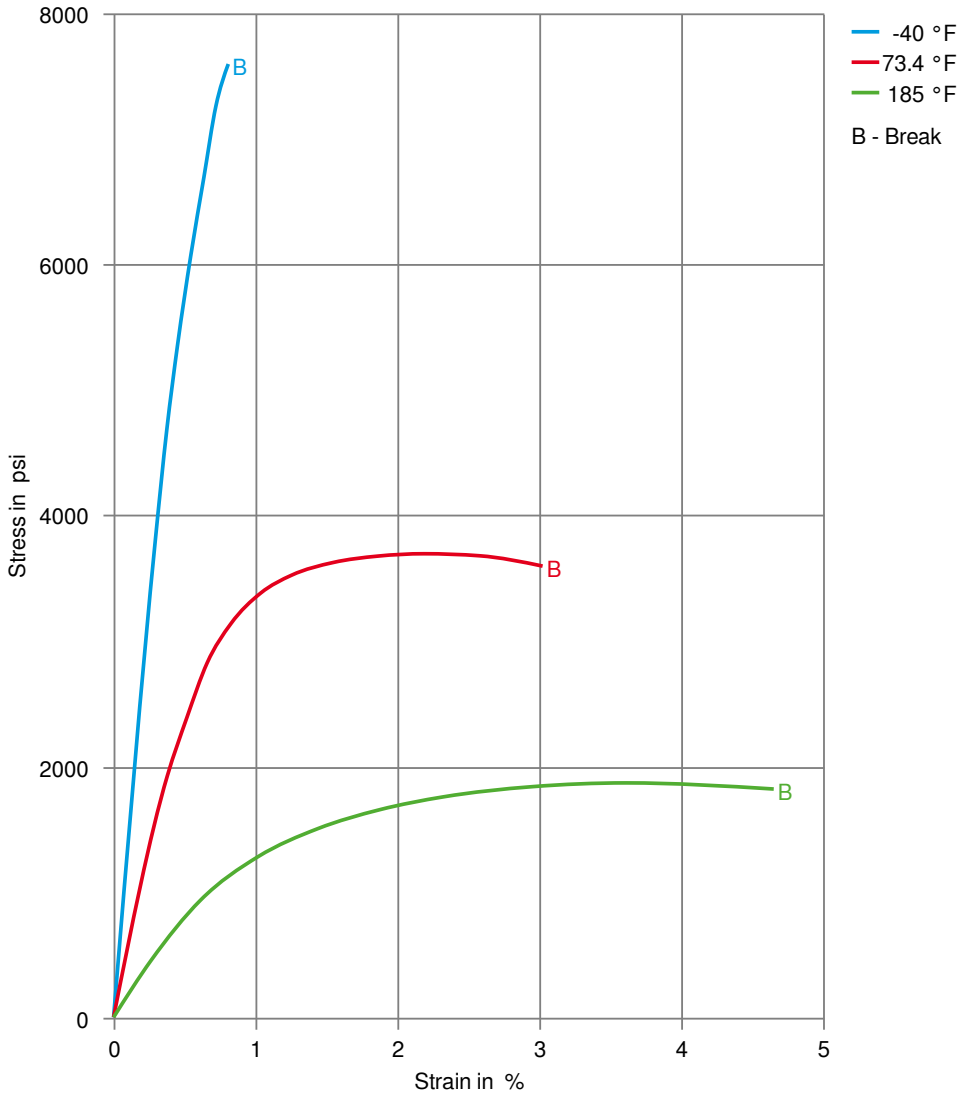
Storage

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

Stress-strain

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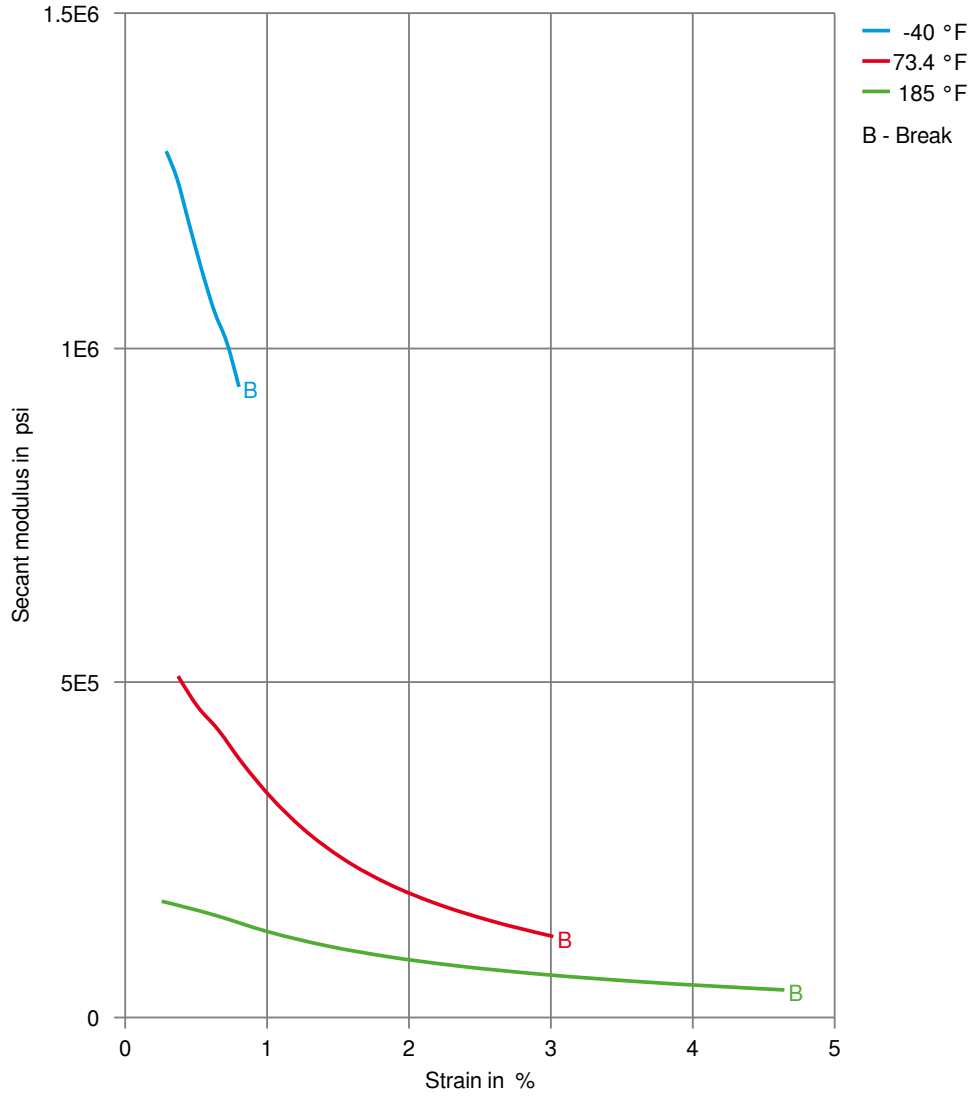
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Secant modulus-strain



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