CELCON® TE-22S

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CELCON® TE-22S is a toughened, high viscosity grade for general injection molding. Suitable for applications requiring high impact resistance and toughness. Good strenght and strain at weld-line.

Product information

Resin Identification	POM-HI	ISO 1043
Part Marking Code	>POM-HI<	ISO 11469

Rheological properties

Melt mass-flow rate	3.5	g/10min	ISO 1133
Melt mass-flow rate, Temperature	374	°F	
Melt mass-flow rate, Load	4.76	lb	

Typical mechanical properties

Tensile stress at yield, 50mm/min	7600	psi	ISO 527-1/-2
Tensile strain at yield, 50mm/min	11	%	ISO 527-1/-2
Nominal strain at break	55	%	ISO 527-1/-2
Flexural modulus	312000	psi	ISO 178
Flexural strength	10400	psi	ISO 178
Charpy notched impact strength, 23°C	7.14	ftlb/in^2	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	329	°F	ISO 11357-1/-3
Temperature of deflection under load, 1.8 MPa	181	°F	ISO 75-1/-2
Coefficient of linear thermal expansion (CLTE), parallel	0.72	E-4/°F	ISO 11359-1/-2

Electrical properties

Volume resistivity	1E16	Ohm.m	IEC 62631-3-1
Surface resistivity	1E16	Ohm	IEC 62631-3-2

Physical/Other properties

Humidity absorption, 2mm	0.23	%	Sim. to ISO 62
Density	0.0498	lb/in^3	ISO 1183

Characteristics

Processing	Injection Molding

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