DIC.PPS CZE-1200

Polyphenylene Sulfide

DIC Corporation

Message:

Outline: CZE-1200 is a glass fiber and mineral filled electric conductive grade with stable low electric resistibility.
Color: Black

General Information			
UL YellowCard	E53829-243740		
Filler / Reinforcement	Glass\Mineral		
Features	Electrically Conductive Good Electrical Properties		
UL File Number	E53829		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.90	g/cm³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.20	%	
Across Flow	0.90	%	
Water Absorption (23°C, 24 hr)	0.030	%	ASTM D570
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness			ASTM D785
M-Scale	100		
R-Scale	121		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	20000	MPa	ASTM D638
Tensile Strength	100	MPa	ASTM D638
Tensile Elongation (Break)	0.60	%	ASTM D638
Flexural Modulus	19000	MPa	ASTM D790
Flexural Strength	150	MPa	ASTM D790
Compressive Strength	120	MPa	ASTM D695
Poisson's Ratio	0.34		
Coefficient of Friction [1]			ASTM D1894
vs. Steel - Dynamic	0.32		
vs. Steel - Static	0.32		
Flexural Elongation at Break	0.80	%	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**

Notched Izod Impact	60	J/m	ASTM D256
Unnotched Izod Impact	200	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C	ASTM D648
CLTE			ASTM D696
Flow : -30 to 90°C	2.0E-5	cm/cm/°C	
Transverse : -30 to 90°C	2.0E-5	cm/cm/°C	
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+2 to 1.0E+3	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Rear Temperature	300 to 340	°C	
Middle Temperature	300 to 340	°C	
Front Temperature	300 to 340	°C	
Mold Temperature	120 to 150	°C	
NOTE			
1.	P=150KPa, V=0.3m/s		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China