

DIC.PPS CZE-1100

Polyphenylene Sulfide

DIC Corporation

Message:

DIC.PPS CZE-1100 is a polyphenylene sulfide (PPS) product, which contains carbon fiber reinforcement. It can be processed by injection molding and is available in North America or Asia Pacific.

Features include:
flame retardant/rated flame
Conductivity

General Information			
Filler / Reinforcement	Carbon fiber reinforced material		
Features	Conductivity		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.66	g/cm ³	ASTM D792
Molding Shrinkage			ASTM D955
Flow	0.20	%	ASTM D955
Transverse flow	0.90	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.050	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness			ASTM D785
Class m	100		ASTM D785
Class r	121		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	15000	MPa	ASTM D638
Tensile Strength	90.0	MPa	ASTM D638
Tensile Elongation (Break)	0.60	%	ASTM D638
Flexural Modulus	14000	MPa	ASTM D790
Flexural Strength	110	MPa	ASTM D790
Compressive Strength	100	MPa	ASTM D695
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	50	J/m	ASTM D256
Unnotched Izod Impact	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	265	°C	ASTM D648
CLTE - Flow (-30 to 100°C)	2.0E-5	cm/cm/°C	ASTM D696
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	V-0		UL 94
Additional Information			

Flexural Elongation @ Break, ASTM D790: 1%

Injection	Nominal Value	Unit
Rear Temperature	300 - 340	°C
Middle Temperature	300 - 340	°C
Front Temperature	300 - 340	°C
Mold Temperature	120 - 150	°C

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Recommended distributors for this material

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