

Technical Data Sheet

Percom DCG20 NATURAL

Polypropylene Copolymer

Product Description

Percom DCG20 NATURAL is a Polypropylene Copolymer Glass Fiber, 20% filled material and is typically used in Injection Molding applications. Features include: Copolymer.

Processing Method	Injection Molding
Attribute	Copolymer
Application	Bathroom Accessories; Plumbing Parts
Filler/Reinforcement	Glass Fiber, 20%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	2.5	g/10 min	ISO 1133
Density	1.06	g/cm ³	ISO 1183
Mechanical			
Tensile Strain at Break	2	%	ISO 527-2
Flexural Modulus	3850	MPa	ISO 178
Tensile Stress at Break	75	MPa	ISO 527-2
Impact			
Notched Izod Impact Strength, (23 °C, Type 1, Notch A)	11	kJ/m ²	ISO 180
Hardness			
Shore Hardness, (Shore D)	65		ISO 868
Thermal			
Vicat Softening Temperature, (A (10N), 50 °C/h)	144	°C	ISO 306
Deflection Temperature Under Load Unannealed (0.45 MPa)	148	°C	ISO 75-2/B
Deflection Temperature Under Load Unannealed (1.80 MPa)	135	°C	ISO 75-2/A
Flammable			
Burning Rate			
(2.00 mm)	<100	mm/min	FMVSS 302
(2.00 mm)	<100	mm/min	ISO 3795
UL Information			
Flame Rating	HB		UL 94

Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 3.0	hr
Drying Temperature	80	°C
Processing (Melt) Temp	220 to 260	°C
Mold Temperature	30 to 60	°C