

Tribocomp® PA612 CF30 TS12

Polyamide 612
Solvay Specialty Polymers

Message:

Tribocomp® PA612 CF30 TS12 is a polyamide 612 (nylon 6/12) material, which contains fillers of 15% ptfe fiber and 30% carbon fiber reinforced materials. This product is available in Europe.

General Information				
Filler / Reinforcement		PTFE fiber, 15% filler by weight		
		Carbon fiber reinforced material, 30% filler by weight		
Forms		Particle		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.22	--	g/cm ³	ISO 1183
shrinkage-Flow	0.20	--	%	ISO 294-4
Water Absorption (Equilibrium, 23°C, 50% RH)	0.20	--	%	ISO 62
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus (23°C)	19000	17000	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	220	195	MPa	ISO 527-2
Tensile Strain (Break, 23°C)	2.0	3.0	%	ISO 527-2
Flexural Modulus (23°C)	15000	--	MPa	ISO 178
Flexural Stress (23°C)	330	300	MPa	ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength (23°C)	12	--	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	45	--	kJ/m ²	ISO 179
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, not annealed	210	--	°C	ISO 75-2/B
1.8 MPa, not annealed	195	--	°C	ISO 75-2/A
CLTE - Flow (23°C)	2.1E-5	--	cm/cm/°C	ISO 7991
Thermal Conductivity	0.55	--	W/m/K	ISO 22007
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+2	--	ohms	ASTM D257
Extrusion	Dry	Unit		
Cylinder Zone 1 Temp.	220 - 250		°C	
Cylinder Zone 2 Temp.	220 - 260		°C	
Cylinder Zone 3 Temp.	225 - 270		°C	
Cylinder Zone 4 Temp.	230 - 280		°C	

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