

Devlon 6GF30

Thermoplastic
Devol® Engineering Polymers

Message:
Devlon 6GF30 is a Thermoplastic material filled with 30% glass fiber. It is available in Europe. Primary attribute of Devlon 6GF30: Flame Rated.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.35	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.10	%	
Saturation	1.5 to 2.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	118		ASTM D785
Durometer Hardness (Shore D)	84		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9500	MPa	ASTM D638
Tensile Strength (23°C)	180	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	210	°C	
Melting Temperature	220	°C	ASTM D3418
CLTE - Flow (30 to 100°C)	2.5E-5	cm/cm/°C	ASTM E831
Service Temperature			ASTM D570
-- 1	-30 to 120	°C	
Short Term	180	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	25	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
NOTE			
1.	Long Term		

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