

Devlon T100

Thermoplastic
Devol® Engineering Polymers

Message:
Devlon T100 is a Thermoplastic material. It is available in Europe.

General Information			
Features	Self Extinguishing		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	0.12	%	
Saturation	3.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	113		ASTM D785
Durometer Hardness (Shore D)	76 to 78		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3800	MPa	ASTM D638
Tensile Strength			ASTM D638
-40°C	117	MPa	
23°C	73.9	MPa	
Tensile Elongation			ASTM D638
Break	70	%	
Break, 23°C	3.0	%	
Flexural Strength	127	MPa	ASTM D790
Compressive Strength	140	MPa	ASTM D695
Deformation Under Load (23°C, 14 MPa)	1.00 to 2.00	%	ASTM D621
Compressive Yield Strength	88.9	MPa	ASTM D695
Service Temperature			ASTM D570
-- 1	100	°C	
Short Term	170	°C	
Flammability	self extinguishing		UL 94
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ASTM D256
-40°C	20.2	J/m	
23°C	63.9	J/m	
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648

0.45 MPa, Unannealed	207	°C	
1.8 MPa, Unannealed	79.0	°C	
Melting Temperature	217	°C	ASTM D3418
CLTE - Flow (30 to 100°C)	1.4E-4	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 15	kV/mm	ASTM D149
NOTE			

1. Long Term

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Recommended distributors for this material

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