

Devlon PTFE

Thermoplastic
Devol® Engineering Polymers

Message:
Devlon PTFE is a Thermoplastic material. It is available in Europe. Primary attribute of Devlon PTFE: Flame Rated.

General Information			
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.30	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.010	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	637	MPa	ASTM D638
Tensile Strength (23°C)	24.8	MPa	ASTM D638
Tensile Elongation (Break)	500	%	ASTM D638
Deformation Under Load (23°C, 14 MPa)	14.0 to 28.0	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	132	°C	
1.8 MPa, Unannealed	49.0	°C	
Melting Temperature	327	°C	ASTM D3418
CLTE - Flow (30 to 100°C)	1.2E-4	cm/cm/°C	ASTM E831
Service Temperature			ASTM D570
-- 1	200	°C	
Short Term	300	°C	
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 24	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
NOTE			
1.	Long Term		

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Recommended distributors for this material

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