

Devlon Nylon 6

Polyamide 6
Devol® Engineering Polymers

Message:
Devlon Nylon 6 is a Polyamide 6 (Nylon 6) material. It is available in Europe.

General Information			
Features	Self Extinguishing		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm³	ASTM D792
Water Absorption			ASTM D570
24 hr	2.9	%	
Saturation	9.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	110		ASTM D785
Durometer Hardness (Shore D)	77		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2750	MPa	ASTM D638
Tensile Strength (23°C)	60.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	20	%	
Break	200	%	
Flexural Strength	87.2	MPa	ASTM D790
Deformation Under Load (23°C, 14 MPa)	2.00 to 3.50	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	145	°C	
1.8 MPa, Unannealed	60.0	°C	
Melting Temperature	213	°C	ASTM D3418
CLTE - Flow (30 to 100°C)	8.5E-5	cm/cm/°C	ASTM E831
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 12	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flammability	self extinguishing		UL 94

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