

Devlon Nylon 66

Polyamide 66
Devol® Engineering Polymers

Message:
Devlon Nylon 66 is a Polyamide 66 (Nylon 66) material. It is available in Europe.

General Information			
Features	Self Extinguishing		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption			ASTM D570
24 hr	1.5	%	
Saturation	8.0	%	
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	116		ASTM D785
Durometer Hardness (Shore D)	83		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1720	MPa	ASTM D638
Tensile Strength (23°C)	61.8	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, 23°C	20	%	
Break	200	%	
Flexural Strength	89.2	MPa	ASTM D790
Deformation Under Load (23°C, 14 MPa)	1.00 to 3.00	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	204	°C	
1.8 MPa, Unannealed	93.0	°C	
Melting Temperature	260	°C	ASTM D3418
CLTE - Flow (30 to 100°C)	1.0E-4	cm/cm/°C	ASTM E831
Service Temperature			ASTM D570
-- 1	100	°C	
Short Term	170	°C	
Flammability	self extinguishing		UL 94
Electrical	Nominal Value	Unit	Test Method
Dielectric Strength	> 12	kV/mm	ASTM D149
NOTE			
1.	Long Term		

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

