

Devlon A153

Thermoplastic
Devol® Engineering Polymers

Message:

Devlon A153 is a Thermoplastic material. It is available in Europe.

General Information			
Features	Self Extinguishing		
Appearance	Yellow		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.60 to 1.5	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	112 to 120		ASTM D785
Durometer Hardness (Shore D)	80 to 85		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2750	MPa	ASTM D638
Tensile Strength (23°C)	82.7	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	10	%	ASTM D638
Flexural Strength	82.4	MPa	ASTM D790
Deformation Under Load (23°C, 14 MPa)	2.00	%	ASTM D621
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	190	°C	
1.8 MPa, Unannealed	100	°C	
Melting Temperature	260	°C	ASTM D3418
CLTE - Flow (30 to 100°C)	7.0E-5	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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