

DAUNYL DPN 27 AV

Polyamide 6

Daunia Trading srl

Message:

DAUNYL DPN 27 AV is a standard viscosity polyamide 6 characterized by high melt flow fine and uniform microcrystalline structure. It is suitable for the injection moulding of components requiring fast "set up" time and easy mould release. DAUNYL DPN 27 AV is a V2 material certified by the Underwriters Laboratories (File E209606). The standard colours are natural and black.

General Information				
UL YellowCard		E209606-228717		
Features		Good Mold Release		
		High Flow		
UL File Number		E209606		
Appearance		Black		
		Natural Color		
Forms		Pellets		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Specific Gravity	1.13	--	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage				
Flow	1.1 to 1.4	--	%	ASTM D955
--	1.1 to 1.4	--	%	ISO 294-4
Water Absorption (23°C, 24 hr)	1.2 to 1.4	--	%	ASTM D570
Hardness	Dry	Conditioned	Unit	Test Method
Rockwell Hardness (R-Scale)	119	104		ASTM D785
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3300	1400	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	80.0	50.0	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	40	170	%	ASTM D638, ISO 527-2
Flexural Strength	120	60.0	MPa	ASTM D790, ISO 178
Impact	Dry	Conditioned	Unit	Test Method
Notched Izod Impact	45	400	J/m	ASTM D256
Thermal	Dry	Conditioned	Unit	Test Method
Deflection Temperature Under Load				
0.45 MPa, Unannealed	170 to 180	--	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	60.0 to 70.0	--	°C	ASTM D648, ISO 75-2/A

Vicat Softening Temperature	195 to 205	--	°C	ASTM D1525, ISO 306
Melting Temperature	217 to 223	--	°C	
CLTE - Flow	7.0E-5	--	cm/cm/°C	ASTM D696
Service Temperature				
Continuous	80	--	°C	
Short Term	130	--	°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	1.0E+13	1.0E+11	ohms	ASTM D257, IEC 60093
Volume Resistivity	1.0E+15	1.0E+12	ohms·cm	ASTM D257, IEC 60093
Dielectric Strength	90	--	kV/mm	ASTM D149, IEC 60243-1
Comparative Tracking Index	> 600	--	V	DIN 53480
Flammability	Dry	Conditioned	Unit	Test Method
Flame Rating (1.60 mm)	V-2	--		UL 94
Injection	Dry	Unit		
Processing (Melt) Temp	230 to 250		°C	
Mold Temperature	20.0 to 80.0		°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

