

Grilon® TS V0 X

Polyamide 66/6 Copolymer

EMS-GRIVORY

Message:

Grilon® TS V0 X is a Polyamide 66/6 Copolymer (Nylon 66/6) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.

Important attributes of Grilon® TS V0 X are:

Flame Rated

Flame Retardant

Good Mold Release

Typical applications include:

Automotive

Electrical/Electronic Applications

Appliances

Hose/Tubing

Lighting Applications

General Information				
Additive		Flame Retardant		
Features	Flame Retardant			
	Good Flow			
	Good Mold Release			
Uses	Appliance Components			
	Automotive Applications			
	Automotive Electronics			
	Connectors			
	Electrical/Electronic Applications			
	Lighting Applications			
	Tubing			
	Wire & Cable Applications			
Forms		Granules		
Processing Method		Injection Molding		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.19	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	0.70	--	%	
Flow	0.70	--	%	
Water Absorption				ISO 62
Saturation, 23°C	7.0	--	%	
Equilibrium, 23°C, 50% RH	2.5	--	%	
Hardness	Dry	Conditioned	Unit	Test Method

Ball Indentation Hardness	190	75.0	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	3800	1300	MPa	ISO 527-2
Tensile Stress				ISO 527-2
Yield	80.0	40.0	MPa	
Break	75.0	50.0	MPa	
Tensile Strain (Yield)	4.0	25	%	ISO 527-2
Nominal Tensile Strain at Break	9.0	> 50	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	3.5	3.0	kJ/m ²	
23°C	4.0	9.0	kJ/m ²	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	75	--	kJ/m ²	
23°C	90	--	kJ/m ²	
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	200	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	75.0	--	°C	ISO 75-2/A
Melting Temperature ¹	260	--	°C	ISO 11357-3
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+14	1.0E+13	ohms·cm	IEC 60093
Comparative Tracking Index	--	575	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification				IEC 60695-11-10, -20
0.800 mm	V-0	--		
1.50 mm	V-0	--		
Additional Information	Dry	Conditioned		Test Method
ISO Type	PA 6+PA66, MFHR, 14-040 N	--		ISO 1874
NOTE				
1.	10°C/min			

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

