

Grilamid® 2S 25 W 20 HL X black 9992

Polyamide 610

EMS-GRIVORY

Message:

Grilamid® 2S 25 W 20 HL X black 9992 is a Polyamide 610 (Nylon 610) material. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for extrusion or profile extrusion.

Important attributes of Grilamid® 2S 25 W 20 HL X black 9992 are:

- Flame Rated
- Plasticized
- Eco-Friendly/Green
- Good Flexibility
- Heat Resistant
- Typical applications include:
 - Automotive
 - Electrical/Electronic Applications
 - Hose/Tubing
 - Wire & Cable

General Information				
Additive		Plasticizer		
Features		Good Flexibility		
		High Heat Resistance		
		High Impact Resistance		
		High Viscosity		
		Plasticized		
		Renewable Resource Content		
Uses		Automotive Applications		
		Electrical/Electronic Applications		
		Hydraulic Applications		
		Pneumatic Applications		
		Profiles		
		Tubing		
		Wire & Cable Applications		
Appearance		Black		
Forms		Granules		
Processing Method		Extrusion		
		Profile Extrusion		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.03	--	g/cm ³	ISO 1183
Molding Shrinkage				ISO 294-4
Across Flow	1.3	--	%	

Flow	1.8	--	%	
Water Absorption				ISO 62
Saturation, 23°C	3.0	--	%	
Equilibrium, 23°C, 50% RH	0.50	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	50.0	35.0	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	750	450	MPa	ISO 527-2
Tensile Stress (Break)	50.0	50.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	> 50	%	ISO 527-2
Impact	Dry	Conditioned	Unit	Test Method
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	15	15	kJ/m ²	
23°C	No Break	No Break		
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	No Break	No Break		
23°C	No Break	No Break		
Thermal	Dry	Conditioned	Unit	Test Method
Heat Deflection Temperature				
0.45 MPa, Unannealed	125	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	--	°C	ISO 75-2/A
Maximum Use Temperature				Internal Method
Long Term	130	--	°C	
Short Term	160	--	°C	
ISO Type	PA610-HIP, EH, 22-007	--		ISO 1874
Melting Temperature ¹	215	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.0E-4	--	cm/cm/°C	
Transverse	1.5E-4	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+11	ohms	IEC 60093
Volume Resistivity	1.0E+11	1.0E+12	ohms·cm	IEC 60093
Electric Strength	36	36	kV/mm	IEC 60243-1
Comparative Tracking Index	--	600	V	IEC 60112
Flammability	Dry	Conditioned	Unit	Test Method
Flammability Classification (0.800 mm)	HB	--		IEC 60695-11-10, -20
NOTE				

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

