

Grilamid® 2D 25 W 20 HL X black 9992

Polyamide 6/12 Copolymer

EMS-GRIVORY

Message:

Grilamid® 2D 25 W 20 HL X black 9992 is a Polyamide 6/12 Copolymer (Nylon 6/12) 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® 2D 25 W 20 HL X black 9992 are:

- Flame Rated
- Plasticized
- Good Flexibility
- Heat Stabilizer
- High Viscosity

Typical applications include:

- Automotive
- Consumer Goods
- Electrical/Electronic Applications
- Engineering/Industrial Parts
- Hose/Tubing

General Information	
Additive	Heat Stabilizer Plasticizer UV Stabilizer
Features	Good Flexibility Good Impact Resistance Heat Stabilized High Viscosity Hydrolysis Resistant Plasticized
Uses	Automotive Applications Consumer Applications Electrical/Electronic Applications Engineering Parts Hydraulic Applications Industrial Applications Pneumatic Applications Profiles Tubing Wire & Cable Applications
Appearance	Black
Forms	Granules

Processing Method		Extrusion		
		Profile Extrusion		
Physical	Dry	Conditioned	Unit	Test Method
Density	1.04	--	g/cm ³	ISO 1183
Water Absorption				ISO 62
Saturation, 23°C	2.1	--	%	
Equilibrium, 23°C, 50% RH	0.90	--	%	
Hardness	Dry	Conditioned	Unit	Test Method
Ball Indentation Hardness	39.0	30.0	MPa	ISO 2039-1
Mechanical	Dry	Conditioned	Unit	Test Method
Tensile Modulus	550	380	MPa	ISO 527-2
Tensile Stress (50% Strain)	30.0	25.0	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	13	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	100	--	°C	ISO 75-2/B
1.8 MPa, Unannealed	50.0	--	°C	ISO 75-2/A
Continuous Use Temperature				Internal Method
-- ¹	80.0 to 110	--	°C	
-- ²	150	--	°C	
Melting Temperature ³	210	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	2.5E-4	--	cm/cm/°C	
Transverse	1.0E-4	--	cm/cm/°C	
Electrical	Dry	Conditioned	Unit	Test Method
Surface Resistivity	--	1.0E+10	ohms	IEC 60093
Volume Resistivity	--	1.0E+9	ohms·cm	IEC 60093
Electric Strength	--	37	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
Additional Information	Dry	Conditioned	Test Method
ISO Type	PA612-HIP, E, 22-005	--	ISO 1874
NOTE			
1.	Long Term		
2.	Short Term		
3.	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



WECHAT