Grivory® HT1V-65H black 9205

Polyamide 6I/6T Copolymer

EMS-GRIVORY

Message:

Grivory® HT1V-65H black 9205 is a Polyamide 6I/6T Copolymer (Nylon 6I/6T) material filled with 65% glass fiber. It is available in Africa & Middle East, Asia Pacific, Europe, Latin America, or North America for injection molding.
Important attributes of Grivory® HT1V-65H black 9205 are:
Flame Rated
RoHS Compliant
Heat Resistant
Heat Stabilizer
Typical applications include:
Automotive
Consumer Goods
Engineering/Industrial Parts
Household Applications
Industrial Applications

General Information	
Filler / Reinforcement	Glass Fiber,65% Filler by Weight
Additive	Heat Stabilizer
Features	Heat Stabilized High Heat Resistance
Uses	Automotive Applications Automotive Exterior Parts Automotive Interior Parts Consumer Applications Engineering Parts Household Goods Hydraulic Applications Industrial Applications Pneumatic Applications Power/Other Tools Sporting Goods
RoHS Compliance	RoHS Compliant
Appearance	Black
Forms	Granules
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)

Physical	Dry	Conditioned	Unit	Test Method
Density	1.85	--	g/cm³	ISO 1183
Molding Shrinkage				ISO 294-4

Across Flow	0.40	--	%	
Flow	0.10	--	%	
Water Absorption				ISO 62
Saturation, 23°C	2.8	--	%	
Equilibrium, 23°C, 50% RH	1.1	--	%	
Hardness	**Dry**	**Conditioned**	**Unit**	**Test Method**
Ball Indentation Hardness	420	420	MPa	ISO 2039-1
Mechanical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Tensile Modulus	25500	25500	MPa	ISO 527-2
Tensile Stress (Break)	280	270	MPa	ISO 527-2
Tensile Strain (Break)	1.5	1.5	%	ISO 527-2
Impact	**Dry**	**Conditioned**	**Unit**	**Test Method**
Charpy Notched Impact Strength				ISO 179/1eA
-30°C	11	11	kJ/m^2	
23°C	12	12	kJ/m^2	
Charpy Unnotched Impact Strength				ISO 179/1eU
-30°C	60	60	kJ/m^2	
23°C	60	60	kJ/m^2	
Thermal	**Dry**	**Conditioned**	**Unit**	**Test Method**
Heat Deflection Temperature				
1.8 MPa, Unannealed	300	--	°C	ISO 75-2/A
8.0 MPa, Unannealed	240	--	°C	ISO 75-2/C
Continuous Use Temperature				Internal Method
-- [1]	150	--	°C	
-- [2]	250	--	°C	
Melting Temperature [3]	325	--	°C	ISO 11357-3
CLTE				ISO 11359-2
Flow	1.5E-5	--	cm/cm/°C	
Transverse	4.0E-5	--	cm/cm/°C	
Electrical	**Dry**	**Conditioned**	**Unit**	**Test Method**
Surface Resistivity	--	1.0E+12	ohms	IEC 60093
Volume Resistivity	1.0E+13	1.0E+13	ohms·cm	IEC 60093
Electric Strength	30	30	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	PA 6T/6I, MH, 12-250, GF65 --	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