

EMS-GRIVORY  
Via Innovativa 1  
7013 Domat/Emis  
Switzerland

Phone +41 81 632 78 88  
www.emsgrivory.com  
welcome@emsgrivory.com

Designation	Polymer	Mechanical properties										Thermal properties					Electrical properties				Other properties								
		Tensile strength (dry) ISO 527-1/2	Tensile strength (wet) ISO 527-1/2	Strain at break (%) ISO 527-1/2	Charpy impact strength (23°C) ISO 179/1A	Charpy impact strength (20°C) ISO 179/1A	Charpy impact strength (23°C) ISO 179/1A	Charpy impact strength (20°C) ISO 179/1A	Ball indentation hardness (IR60) ISO 2019	Melting temperature (IR60) ISO 11357/3	Temp. of deflection under load (100 MPa) ISO 75-1/2	Temp. of deflection under load (180 MPa) ISO 75-1/2	Coeff. of linear thermal expansion (long term) ISO 11357/2	Coeff. of linear thermal expansion (short term) ISO 11357/2	Max. usage temperature (long term) [°C]	Max. usage temperature (short term) [°C]	Volume resistivity (short term) IEC 60093	Surface resistivity (short term) IEC 60093	Electric strength (kV/mm) IEC 60243-1	Comparative tracking index [CTI] IEC 60112	Water absorption (%) Sim. to ISO 62	Humidity absorption (%) Sim. to ISO 62	Density (kg/m³) ISO 1181	Molding shrinkage (parallel) (%) ISO 2944, 2577	Molding shrinkage (normal) (%) ISO 2944, 2577				
<b>Grivory HT</b>																													
Grivory HTV-5 FWA black 9225	PA6T/6I-GF50	dry cond	18000	250	2	80	80	11	10	340	325	285	210	15	40	140	250	10 <sup>11</sup>	10 <sup>2</sup>	30	-	600	3	1.3	1650	0.1	0.5		
<b>Grivory GV</b>																													
Grivory GC-4H black 9833	PA66+PA6I/X-CF40	dry cond	31000	260	1.5	55	45	7	4	280	260	235	175	10	80	100-120	220	50	-	50	-	4.5	1.4	1340	0.1	0.2			
<b>Grilamid TR</b>																													
Grilamid TR 30 nat	PA6I/X	dry cond	2900	105*	>50	-	-	-	-	-	-	-	-	125	-	60	60	80-100	120	-	10 <sup>11</sup>	10 <sup>2</sup>	27	600	7	2	1150	0.7	0.7
<b>Grilamid</b>																													
Grilamid 25V-30H black 9992	PA6I0-GF30	dry cond	9000	155	4	95	90	18	11	180	222	200	120	25	80	100-110	160	10 <sup>10</sup>	10 <sup>1</sup>	45	-	600	4	1	1310	0.2	0.8		
<b>Grilon TS</b>																													
Grilon TS V0	PA666	dry cond	3600	75	10	75	70	4	3	-	260	70	-	70	90	100-120	200	10 <sup>11</sup>	10 <sup>0</sup>	28	-	600	8	2.5	1160	0.7	0.8		