GEFE.POLYMERS S.r.l

GEFEMID® 6

CATEGORY				STANDARD PRODUCTS										SPECIAL PRODUCTS							
				BK				GF 15 BK			GF 30 BK										
				standard	H	IM	H IM	standard	H	IM	standard	H	IM	GF 10 BK	GF 20 BK	GF 50 BK	GB 30 BK	MF 15 BK	MFB 15 BK	NAT	GREY RAL 7035
Quality				Indsutrial	High	Industrial	High	Industrial	High	Industrial	Industrial	High	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial	Industrial
Filling				Unfilled	Unfilled	Unfilled impact modified	Unfilled impact modified	15% glass fiber reinforced	15% glass fiber reinforced	15% glass fiber reinforced Impact modified	30% glass fiber reinforced	30% glass fiber reinforced	30% glass fiber reinforced Impact modified	10% glass fiber reinforced	20% glass fiber reinforced	50% glass fiber reinforced	30% glass ball filler	15% mineral filler	15% glass miller fiber reinforced	Unfilled	Unfilled
Colour				Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Black	Natural yarn	Grey RAL 7035
Proprietà	**Properties**	METHOD	UNITS																		
Fisiche	**Physical**																				
Densità	Density	ISO 1183	g/cm^3	1,13	1,13	1,12	1,10	1,23	1,23	1,22	1,35	1,36	1,34	1,19	1,27	1,53	1,36	1,23	1,23	1,13	1,13
Umidità	Moisture content	ISO 15512	%	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2	< 0,2
Meccaniche	**Mechanical**																				
Carico a rottura in trazione	Tensile Strength at Break	ISO 527	MPa	40	45	40	35	65	70	60	75	90	70	55	70	110	50	45	55	70	50
Modulo elastico a trazione	Tensile Modulus	ISO 527	MPa	2400	2500	2200	2000	4000	5000	4000	7000	7500	6500	3500	5000	10000	3500	3500	4000	2800	2600
Modulo elastico a flessione	Flexural Modulus	ISO 178	MPa	2200	2300	2100	1900	3800	4800	3700	6500	7000	6000	3300	4800	9500	3200	3300	3800	2700	2500
Resistenza alla flessione	Flexural Strength	ISO 178	MPa	60	65	55	45	80	90	75	110	130	100	70	95	150	65	60	70	80	70
Resilienza Izod con intaglio	Izod-Notched impact Strength	ISO 180/1a	KJ/m^2	4	5	6	8	4,5	5,5	6	6	7,5	8,5	4	5	8	4,5	4	4,5	4,5	5
Resilienza Charpy con intaglio	Charpy - Notched Impact Strength	ISO 179-1/eA	KJ/m^2	4,5	5,5	6,5	8,5	5	6	6,5	6,5	8	9	4,5	5,5	8,5	5	4,5	5	5	5,5
Termiche	**Thermal**																				
Temperatura di inflessione 1,8 Mpa	Heat Deflection Temperature 1,8 Mpa	ISO 75-1	°C	60	60	55	50	180	190	180	190	200	190	180	180	210	180	180	180	60	60
Temperatura di rammollimento 49 N	Vicat Softening Temperature 49 N	ISO 306	°C	180	180	170	150	200	200	200	210	210	210	200	200	210	200	200	200	180	180
Elettriche	**Electrical**																				
CTI	Comp. Tracking Index (CTI)	IEC 112	Volts	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500	500
Rigidità dielettrica	Dielectric strength	ASTM D 149	kV/mm	18	18	18	18	21	21	21	21	21	21	21	21	21	21	21	21	18	18
Comportamento alla fiamma	**Burning behaviour**																				
Filo incandescente (2 mm)	Glow wire test (2 mm)	IEC 695-2-1	°C	750	750	750	750	650	650	650	650	650	650	650	650	650	650	650	650	750	750
Infiammabilità (1,5 mm)	Flammability (1,5 mm)	UL 94	Class	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB	HB