GEFE.POLYMERS S.r.l

GEFEMID® 66

Proprietà	Properties	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
Fisiche	**Physical**	**METHOD**	**UNITS**																		
Densità	Density	ISO 1183	g/cm^3	1,14	1,14	1,12	1,10	1,23	1,23	1,22	1,36	1,36	1,34	1,19	1,27	1,53	1,36	1,23	1,23	1,14	1,14
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	45	50	45	40	70	80	65	85	100	80	60	75	120	55	50	60	75	60
Modulo elastico a trazione	Tensile Modulus	ISO 527	MPa	2500	2600	2100	1900	4500	5500	4400	7500	8000	7000	4000	5500	10500	4000	3800	4500	2900	2700
Modulo elastico a flessione	Flexural Modulus	ISO 178	MPa	2300	2400	2000	1800	4200	5200	4200	7000	7500	6500	3500	5000	10000	3700	3500	4300	2800	2600
Resistenza alla flessione	Flexural Strength	ISO 178	MPa	65	70	60	55	90	100	80	120	140	110	75	100	180	70	65	75	85	80
Resilienza Izod con intaglio	Izod-Notched impact Strength	ISO 180/1a	KJ/m^2	4,5	5,5	6,5	8,5	5	6	7	6,5	8	9,5	4,5	5,5	8,5	5	4,5	5	5	5,5
Resilienza Charpy con intaglio	Charpy - Notched Impact Strength	ISO 179-1/eA	KJ/m^2	5	6	7	9	5,5	6,5	7,5	7	8,5	10	5	6	9	5,5	5	5,5	5,5	6
Termiche	**Thermal**																				
Temperatura di inflessione 1,8 Mpa	Heat Deflection Temperature 1,8 Mpa	ISO 75-1	°C	65	70	60	55	200	210	190	210	210	200	190	200	240	190	190	200	90	90
Temperatura di rammollimento 49 N	Vicat Softening Temperature 49 N	ISO 306	°C	200	210	190	170	230	230	210	240	240	210	210	230	245	210	210	230	220	220
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	20	20	20	20	23	23	23	23	23	23	23	23	23	23	23	23	20	20
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