

	PRODUCT CODE	DESCRIPTION	PHYSICAL				THERMAL				MECHANICAL					FLAMMABILITY	
			Density	Filler Content	Viscosity	Mould Shrinkage	Melting Temperature	Melt Flow Index	Vicat Softening Temperature	Heat Distorsion Temperature	Tensile Strength	Tensile Strain at Break	Tensile Modulus	Notched Izod Impact Strength	Shore Hardness	UL	GLOW WIRE
			ISO 1183	ISO 3451	ISO 307	-	ISO 3146	ISO 1133	ISO 306 (50N)	ISO 75 (1,8)	ISO 527	ISO 527	ISO 527	ISO 180/1A	ISO 868	UL94	VDE 0471-2
			gr/cm³	%	cm³/gr	%	°C	gr/10dk	°C	°C	Mpa	%	Mpa	kJ/m²	Sh D	V Class	C°
SOZAL PA 6	SZPA6NC	Polyamide 6	1,12-1,16	-	2,46-2,80	0,80-1,00	220	-	205	70	60-90	≥10	2000-4000	≥7	75-85	-	-
SOZAL 6 GFR 10	SZPAGFR10NCHS	Polyamide 6, %10 glass fiber reinforced	1,17-1,21	8-12	-	0,45-0,60	220	-	210	195	60-110	≥2	3000-5000	≥5	75-85	-	-
SOZAL 6 GFR 15	SZPA6GFR15NCHS	Polyamide 6, %15 glass fiber reinforced	1,18-1,23	13-17	-	0,25-0,45	220	-	215	200	90-130	≥2	4000-6500	≥7	75-85	-	-
SOZAL 6 GFR 20	SZPA6GFR20NCHS	Polyamide 6, %20 glass fiber reinforced	1,23-1,27	18-22	-	0,15-0,25	220	-	215	205	100-150	≥2	5500-8000	≥6	75-85	-	-
SOZAL 6 GFR 25	SZPA6GFR25NCHS	Polyamide 6, %25 glass fiber reinforced	1,28-1,32	23-27	-	0,15-0,25	220	-	215	210	120-160	≥2	6500-8500	≥10	75-85	-	-
SOZAL 6 GFR 30	SZPA6GFR30NCHS	Polyamide 6, %30 glass fiber reinforced	1,32-1,36	28-32	-	0,10-0,20	220	-	215	210	140-190	≥2	8000-10500	≥10	75-85	-	-
SOZAL 6 GFR 35	SZPA6GFR35NCHS	Polyamide 6, %35 glass fiber reinforced	1,39-1,42	33-37	-	0,10-0,20	220	-	215	210	140-190	≥2	9000-12000	≥10	75-85	-	-
SOZAL 6 GFR 30 FR V0	SZPA6GFR30NCX0	Polyamide 6, %30 glass fiber reinforced, V0 flammability	1,55-1,65	28-32	-	0,10-0,20	220	-	215	205	120-170	≥2	9000-11000	≥10	75-85	V0	960
SOZAL 6 IM	SZPA6NCIM	Polyamide 6, impact modified	1,07-1,11	-	-	1,00-1,10	220	-	205	70	45-75	≥20	1500-2500	≥15	70-80	-	-
SOZAL 6 GFR 15 IM	SZPA6GFR15NCIM	Polyamide 6, %15 glass fiber reinforced, impact modified	1,18-1,20	13-17	-	0,50-0,75	220	-	215	200	70-120	≥3	3000-5000	≥15	75-85	-	-
SOZAL 6 GFR 20 IM	SZPA6GFR20NCIM	Polyamide 6, %20 glass fiber reinforced, impact modified	1,20-1,24	18-22	-	0,45-0,60	220	-	215	190	60-90	>10	4500-7000	>15	75-80	-	-
SOZAL 6 GFR 30 IM	SZPA6GFR30NCIM	Polyamide 6, %30 glass fiber reinforced, impact modified	1,29-1,33	28-32	-	0,25-0,45	220	-	215	210	120-170	≥2	5500-8000	≥15	75-85	-	-
SOZAL 6 GXR 40 IM	SZPA6GFB40NCIM	Polyamide 6, %40 glass fiber/beads reinforced, impact modified	1,42-1,47	38-43	-	0,20-0,35	220	-	210	195	120-160	>2	7000-9000	>15	75-85	-	-
SOZAL 6 FR V0	SZPA6NCX0	Polyamide 6, V0 flammability	1,18-1,25	-	-	1,00-1,05	220	-	205	85	40-90	≥4	3000-4500	≥5	75-85	V0	960
SOZAL 6 GBR 15	SZPA6GBR15NCHS	Polyamide 6, %15 glass beads reinforced	1,20-1,24	14-17	-	0,75-0,09	220	-	215	205	60-80	>12	2000-3500	>6	75-80	-	-
SOZAL 6 GBR 30	SZPA6GBR30NCHS	Polyamide 6, %30 glass beads reinforced	1,33-1,37	28-32	-	0,45-0,55	220	-	210	195	50-100	≥8	3000-5500	≥6	75-85	-	-
SOZAL 6 GXR 40 UV	SZPA6GFB40NCHSUL	Polyamide 6, %40 glass fiber/beads reinforced, UV stabilised	1,42-1,46	38-43	-	0,20-0,45	220	-	210	200	50-100	≥2	3000-5000	≥7	75-85	-	-
SOZAL 6 GXR 20	SZPA6GFB20NCHS	Polyamide 6, %20 glass fiber/beads reinforced	1,23-1,27	18-22	-	0,35-0,45	220	-	210	195	50-100	≥2	3500-6000	≥5	75-85	-	-
SOZAL 6 GXR 30	SZPA6GFB20NCHS	Polyamide 6, %30 glass fiber/beads reinforced	1,33-1,37	28-32	-	0,35-0,40	220	-	210	195	60-120	≥2	3500-6000	≥5	75-85	-	-
SOZAL 6.6	SZPA66NC	Polyamide 6.6	1,12-1,16	-	2,40-2,80	1,00-1,10	265	-	240	70	50-90	≥2	2000-4000	≥8	75-85	-	-
SOZAL 6.6 GFR 15	SZPA66GFR15NCHS	Polyamide 6.6, %15 glass fiber reinforced	1,21-1,26	14-18	-	0,75-0,60	265	-	255	245	80-130	≥2	5500-8500	≥5	75-85	-	-
SOZAL 6.6 GFR 20	SZPA66GFR20NCHS	Polyamide 6.6, %20 glass fiber reinforced	1,26-1,30	18-22	-	0,60-0,50	265	-	255	250	70-120	≥2	5000-8000	≥6	75-85	-	-
SOZAL 6.6 GFR 25	SZPA66GFR25NCHS	Polyamide 6.6, %25 glass fiber reinforced	1,29-1,34	23-27	-	0,45-0,60	255	-	255	250	130-180	≥2	7000-9000	≥8	75-85	-	-
SOZAL 6.6 GFR 30	SZPA66GFR30NCHS	Polyamide 6.6, %30 glass fiber reinforced	1,33-1,37	28-32	-	0,35-0,25	263	-	255	250	150-190	≥2	8000-10000	≥10	75-85	-	-
SOZAL 6.6 GFR 35	SZPA66GFR35NCHS	Polyamide 6.6, %35 glass fiber reinforced	1,39-1,42	34-37	-	0,30-0,20	265	-	255	255	170-220	≥2	11000-15000	≥10	75-85	-	-
SOZAL 6.6 GFR 50	SZPA66GFR50NCHS	Polyamide 6.6, %50 glass fiber reinforced	1,551,56	48-52	-	0,15-0,20	265	-	255	260	190-240	≥2	13000-16000	≥10	75-85	-	-
SOZAL 6.6 IM	SZPA66NCIM	Polyamide 6.6, impact modified	1,08-1,11	-	-	1,00-1,10	265	-	235	75	50-80	≥10	1850-3500	≥20	70-75	-	-
SOZAL 6.6 GFR 15 IM	SZPA66GFR15NCIM	Polyamide 6.6, %15 glass fiber reinforced, impact modified	1,20-1,24	15-19	-	0,75-0,60	265	-	255	245	70-120	≥3	4500-6000	≥10	75-85	-	-
SOZAL 6.6 GFR 10 FR V0	SZPA66GFR10NCX0	Polyamide 6.6, %10 glass fiber reinforced, V0 flammability	1,30-1,40	9-11	-	0,60-0,50	265	-	255	245	70-120	≥2	4000-6000	≥5	75-85	V0	960
SOZAL 6.6 GFR 20 FR V0	SZPA66GFR20NCX0	Polyamide 6.6, %20 glass fiber reinforced, V0 flammability	1,45-1,55	18-22	-	0,45-0,60	265	-	255	250	100-130	≥2	7000-9000	≥8	75-85	V0	960
SOZAL 6.6 GFR 25 FR V0	SZPA66GFR25NCX0	Polyamide 6.6, %25 glass fiber reinforced, V0 flammability	1,42-1,52	23-27	-	0,35-0,25	265	-	235	240	100-150	≥2	8500-11000	≥7	75-85	V0	960
SOZAL 6.6 GFR 30 FR V0	SZPA66GFR30NCX0	Polyamide 6.6, %30 glass fiber reinforced, V0 flammability	1,55-1,65	28-32	-	0,30-0,20	265	-	255	255	130-170	≥2	9000-12000	≥8	75-85	V0	960
SOZAL 6.6 GFR 35 FR V0	SZPA66GFR35NCX0	Polyamide 6.6, %35 glass fiber reinforced, V0 flammability	1,60-1,70	32-38	-	0,15-0,20	265	-	255	255	150-220	≥2	11000-15000	≥10	75-85	V0	960
SOZAL 6.6 FR V0	SZPA66NCX0	Polyamide 6.6, V0 flammability	1,17-1,25	-	-	1,00-1,10	265	-	240	75	60-110	≥2	3000-5000	≥5	75-85	V0	960
SOZAL 6.6 GBR 20	SZPA66GFB20NCHS	Polyamide 6.6, %20 glass beads reinforced	1,25-1,29	18-22	-	0,80-0,75	265	-	235	245	70-120	≥3	3000-5000	≥5	75-85	-	-
SOZAL 6.6 GFR 40 IM	SZPA66GFR40NCIM	Polyamide 6.6, %40 glass fiber reinforced, impact modified	1,45-1,52	37-43	-	0,60-0,45	265	-	235	250	150-170	>3	7500-10000	>12	80-85	-	-
SOZAL 6.6 GXR 25	SZPA66GFB25NCHS	Polyamide 6.6, %25 glass fiber/beads reinforced	1,35-1,40	23-27	-	0,45-0,30	265	-	240	250	135-145	>3	4500-6500	>10	75-80	-	-
SOZAL 6.6 GTF 45	SZPA66GFM25NCHS	Polyamide 6.6, %25 glass fiber/talcum reinforced	1,20-1,25	23-27	-	0,45-0,30	265	-	235	255	120-130	>3	3500-5000	>10	75-80	-	-