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Technical Specifications

Parameter		Conditions	Unit	ZR570
		ISO		
Optical properties	Refractive index	ISO 489	-	1.49
	Light transmittance	ISO 13468-1	%	91
	Haze	ISO 14782	%	0.7
Thermal Properties	Linear expansion coefficient	ISO 11359-2	1/°C	12×10 ⁻⁵
	Vicat softening Point	ISO 306	°C	97
	1.82MPa Load thermal deformation	ISO 75-2	°C	92
	Melt Index	ISO 1133	g/10min	4.5
Mechanical properties	Tensile strength	ISO 527-2	MPa	68
	Elongation	ISO 527-2	%	30
	Flexure strength	ISO 178	MPa	65
	Flexural Modulus	ISO 178	MPa	2700
	Charpy impact strength	ISO 179-1eA	KJ/m ²	6.2
	Surface hardness	ISO 2039-2	-	75
Electrical properties	Surface resistivity	IEC 60093	Ω	>10 ¹⁶
	Volume resistivity	IEC 60093	Ωcm	>10 ¹³
	Dielectric resistance coefficient	IEC 60167	Ω	>10 ¹⁵
	Dielectrical strength	IEC 60243-1	Kv/mm	20
	Dielectric constant	IEC 60250	-	3.7
Other properties	Density	ISO 1183	-	1.15
	Mold Shrinkage	ISO 294-4	%	0.3-0.7
	Water absorption (24H)	ISO 62	%	0.3
	Fire Resistance (Class)	UL 94	-	HB

***The data are accurate and reliable, but representative.**