



**PC compound,
glass fiber reinforced,
flame retardand grade
with post-industrial raw material**

R70 with at least 70% of post-industrial polymeric raw material. In compliance with ISO 14021:2016, self-declaration validated by TÜV NORD, certificate number IT-25519/2024.

For injection molding of electric and industrial parts requiring improved stiffness

PROPERTIES	METHOD		UNIT	TYPICAL VALUES
PHYSICAL				
Density	ASTM D792	ISO 1183	gr/cm ³	1.34
Melt flow index MFI (300°C – 1.2 Kg)	ASTM D1238	ISO 1133	g/10'	9
Humidity Absorption – (Equilibrium value, in air, 23°C, 50% RH)	INTERNAL METHOD		%	0.10
Mould Shrinkage	INTERNAL METHOD		%	0.2 ÷ 0.5
Reinforcing filler	INTERNAL METHOD		%	20
MECHANICAL				
Tensile strength: stress at break	ASTM D638	ISO 527-1,-2	MPa	70
strain at break	ASTM D638	ISO 527-1,-2	%	2.5
Flexural modulus	ASTM D790	ISO 178	MPa	5100
IZOD notched impact strength, at 23 °C Specimen dimensions 62.5 mm x 12.7 mm x 3.2 mm	ASTM D256	-	J/m	80
THERMAL				
VICAT softening temperature at 49 N-120 °C/h	ASTM D1525/B	ISO 306/B	°C	142
Ball pressure test at 125±2 °C	BS 3456	IEC 60695-10-2	°C	Passed
ELECTRICAL				
Surface resistivity	ASTM D257	IEC 60093	Ohm	1E16
FLAMMABILITY				
Glow wire flammability index GWFI (thickness 2.2 mm)	IEC 60695-2-12		°C	850
Burning rate FMVSS302 (thicknesses 2.2/ 3.2 mm)	ISO 3795		mm/min	Passed

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