

Triapol® Blends C3 K46 PRTA010 BS311

Polycarbonate + ABS

Petropol Industry and Trade of Polymers LTDA

Message:

Polymer blend PC / ABS in color black, mainly characterized by its resistance to impact and temperature, have good dimensional stability and electrical insulation property.

General Information			
Features	Electrically Insulating		
	Good Dimensional Stability		
	Good Impact Resistance		
Appearance	Black		
Processing Method	Injection Molding		
Resin ID (ISO 1043)	>PC + ABS<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13 to 1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	25 to 35	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.70	%	ASTM D955
Water Absorption (Equilibrium)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	52.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield	5.0	%	
Break	42	%	
Flexural Modulus	2300	MPa	ASTM D790
Flexural Strength	85.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	> 300	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	110	°C	ASTM D648
Vicat Softening Temperature	120	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	1.0E+15	ohms · cm	ASTM D257
Dielectric Strength	30	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	

Drying Temperature	110	°C
Drying Time	4.0	hr
Processing (Melt) Temp	240 to 280	°C
Mold Temperature	70.0 to 100	°C

NOTE

1.
- Rate A (50°C/h)

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