

Triapol® Blends F3 K55 VRD0241 BS305

Polycarbonate + PBT

Petropol Industry and Trade of Polymers LTDA

Message:

Polymer blend PC / PBT in green color, mainly characterized by its resistance to impact and temperature, have good resistance chemical.

General Information			
Features	Good Chemical Resistance		
	Good Impact Resistance		
Appearance	Green		
Resin ID (ISO 1043)	>PC + PBT<		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.20	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	18	g/10 min	ASTM D1238
Water Absorption (Equilibrium)	0.15	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	54.4	MPa	ASTM D638
Tensile Elongation (Break)	150	%	ASTM D638
Flexural Modulus	2070	MPa	ASTM D790
Flexural Strength	88.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	74	J/m	ASTM D256
Unnotched Izod Impact	1400	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	82.0	°C	ASTM D648
Vicat Softening Temperature	118	°C	ASTM D1525 ¹
Melting Temperature	225	°C	ASTM D2117
Flammability	Nominal Value	Test Method	
Flame Rating	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	95.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	250 to 270	°C	
Mold Temperature	60.0 to 80.0	°C	
NOTE			
1.	Rate A (50°C/h)		

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