InElec® PCPBTFRAS9MAX

Americhem - *Polycarbonate + PBT*

General Information

Product Description

Blend of Polycarbonate and polyester. UV stabilized flame retardant electrically dissipative meets ATEX standards

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antistatic	• Flame Retardant	
Features	• ESD Protection • Flame Retardant	• Halogenated • Permanent Antistatic	
Uses	• Automotive Applications • Closures • Connectors • Consumer Applications	• Electrical/Electronic Applications • Engineering Parts • Household Goods • Housings	• Industrial Applications • Industrial Parts • Office Automation Equipment
Forms	• Pellets		
Processing Method	• Injection Molding		

Properties [1]

Physical	**Nominal Value**	**Unit**	**Test Method**
Density / Specific Gravity	1.27		ASTM D792
Molding Shrinkage - Flow	7.0E-3 to 0.010	in/in	ASTM D955
Water Absorption (24 hr)	0.10	%	ASTM D570
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	6800	psi	ASTM D638
Tensile Elongation (Yield)	2.0 to 4.0	%	ASTM D638
Tensile Elongation [2] (Break)	> 20	%	ASTM D638
Flexural Modulus [2]	360000	psi	ASTM D790
Flexural Strength [2]	12000	psi	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (73°F)	6.0	ft·lb/in	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (264 psi, Unannealed, 0.126 in)	180	°F	ASTM D648
Electrical	**Nominal Value**	**Unit**	**Test Method**
Surface Resistivity	< 1.0E+9	ohms	IEC 60093
Flammability	**Nominal Value**	**Unit**	**Test Method**
Flame Rating [3] (0.13 in)	V-2		UL 94

Processing Information

Injection	**Nominal Value**	**Unit**
Drying Temperature	180	°F
Drying Time	3.0 to 4.0	hr
Rear Temperature	410 to 440	°F
Middle Temperature	420 to 450	°F
Front Temperature	420 to 450	°F
Nozzle Temperature	430 to 460	°F
Processing (Melt) Temp	450	°F
Mold Temperature	140 to 180	°F