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Technical Data Sheet

Taisox[®] 9007

1. Product description

9007 are an ethylene/butene copolymer. The trade name is Taisox[®]. This product manufactured by the CSTR slurry process. It provides good ESCR and flowability, excellent surface finish, electrical insulating. In addition, It contains a special metal deactivator and antioxidant can be provides high temperature processing stability and aging retain.

9007 is suitable for Telephone and Lan Cable wire insulation, Outer skin in “foam-skin”(F.S).

2. Typical properties

Properties	Units	Test Method	Typical Value
Melt Index MI _{2.16}	g/10min	ASTM D1238	0.80
Density	g/cm ³	ASTM D1505	0.951
Melting point	°C	DSC	130
Brittleness point	°C	ASTM D746	<-76
Tensile strength at yield	Kg/cm ²	ASTM D638	230
Tensile strength at break	Kg/cm ²	ASTM D638	250
Elongation at break	%	ASTM D638	600
ESCR	Hr	ASTM D1693	>96
Aging Retain %, after 48hr at 100°C			
Tensile strength	%	ASTM D638	>90
Elongation	%	ASTM D638	>90
Electrical properties			
Dielectric constant 1MHz		ASTM D1531	2.3
Dissipation 1MHz		ASTM D1531	0.00006
DC Volume Resistivity	Ohm-cm	ASTM D257	1×10 ¹⁷

* Data shown are average values and should not be examined for specifications

3. Processability

Conductor preheating temperature : 100 ~ 120°C

Processing melt temperature : 230 ~ 260°C

Cooling water temperature : 60 ~ 90°C

4. Packing

FPC supplied in 25Kg/paper bag or 750Kg/bulk bag.

5. Storing

Resin must be stored at temperature under 40°C. The sun radiation, heat, humidity is prohibit.

The expiration date is 3 years.

Last Update: July 20, 2011