

Dow Tyrin® 4211P Chlorinated Polyethylene Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

42% Chlorine. Tyrin® chlorinated polyethylene thermoplastic resins offer the compounding and fabrication industries end product properties in a range of hardnesses, and behave much like flexible PVC in many uses. Can be calendered, injection molded, or extruded into tough, chemical and weather resistant products that can also provide built-in ignition resistance. Performance highlights include: inherent flexibility with plasticization; inherent chemical and ignition resistance; compatibility with PVC, PE, SAN, ABS, and other polymers, excellent low temperature properties, resistance to weathering, acceptance of fillers and heat/light stabilizers. This former DuPont Dow Elastomers product line is now produced by Dow Chemical.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Dow-Tyrin-4211P-Chlorinated-Polyethylene-Elastomer.php

Physical Properties	Metric	English	Comments
Moisture Vapor Transmission	1.50 cc-mm/m ² -24hr-atm	3.81 cc-mil/100 in ² -24hr-atm	42% Cl content Tyrin resin w/ Ba-Cd stabilizer, Epoxidized soybean oil, phosphite chelator, and lubricant.
Oxygen Transmission	12.0 cc-mm/m ² -24hr-atm	30.5 cc-mil/100 in ² -24hr-atm	42% Cl content Tyrin resin w/ Ba-Cd stabilizer, Epoxidized soybean oil, phosphite chelator, and lubricant.
Viscosity Measurement	10000	10000	Nominal melt viscosity. DuPont Dow test method CPE-D3

Mechanical Properties	Metric	English	Comments
Elongation at Break	700 %	700 %	Unfilled Tyrin compound
100% Modulus	0.00140 GPa	0.203 ksi	Unfilled Tyrin compound; ASTM D412
Tear Strength Test	180	180	Unfilled Tyrin compound; ASTM D1004

Electrical Properties	Metric	English	Comments
Electrical Resistivity	5.00e+13 ohm-cm	5.00e+13 ohm-cm	
Dielectric Constant	4.9	4.9	
	@Frequency 10000 Hz	@Frequency 10000 Hz	
Dissipation Factor	6.2	6.2	
	@Frequency 100 Hz	@Frequency 100 Hz	
Dissipation Factor	0.030	0.030	
	@Frequency 100 Hz	@Frequency 100 Hz	
	0.10	0.10	36% Cl content Tyrin resin w/ Ba-Cd stabilizer, Epoxidized soybean oil,

Electrical Properties	@Frequency 10000 Hz Metric	@Frequency 10000 Hz English	phosphite chelator, and lubricant. Comments
Processing Properties	Metric	English	Comments
Rear Barrel Temperature	93.0 - 106 °C	199 - 223 °F	for extrusion
Middle Barrel Temperature	106 - 149 °C	223 - 300 °F	for extrusion
Front Barrel Temperature	149 - 162 °C	300 - 324 °F	for extrusion
Nozzle Temperature	162 °C	324 °F	Extrusion die
Melt Temperature	177 °C	351 °F	Extrusion

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China