

DuPont™ Surlyn® 6320 Magnesium Ionomer

Polymer,Thermoplastic,Ionomer

DuPont

产品说明

Surlyn® 6320 is a magnesium ionomer thermoplastic resin. It is available for use in conventional extrusion and injection equipment, to create various sheets or shapes. Surlyn® 6320 thermoplastic resin is an advanced ethylene/acid/acrylate terpolymer, in which some of the MAA acid groups have been partially neutralized with magnesium ions.

物理性能	额定值 (公制)	额定值 (英制)	测试方法
密度	0.950 g/cc	0.0343 lb/in³	ASTM D792, ISO 1183
熔体流动速率	1.0 g/10 min @ Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @ Load 4.76 lb, Temperature 374 °F	ASTM D1238, ISO 1133
机械性能	额定值 (公制)	额定值 (英制)	测试方法
肖氏硬度 (邵氏 D)	43	43	ASTM D2240, ISO 868
抗张强度(断裂)	23.4 MPa @ Temperature 23.0 °C	3390 psi @ Temperature 73.4 °F	ASTM D638, ISO 527-2
伸长率 (断裂)	530 % @ Temperature 23.0 °C	530 % @ Temperature 73.4 °F	ASTM D638, ISO 527-2
弯曲模量	0.0531 GPa @ Temperature 23.0 °C	7.70 ksi @ Temperature 73.4 °F	ASTM D790
热性能	额定值 (公制)	额定值 (英制)	测试方法
熔融温度	34.0 °C	93.2 °F	Freezing Point; ASTM D3418, ISO 3146
	70.0 °C	158 °F	ASTM D3418, ISO 3146
维卡软化温度	49.0 °C	120 °F	ASTM D1525, ISO 306
加工性能	额定值 (公制)	额定值 (英制)	测试方法
加工温度	<= 285 °C	<= 545 °F	
加工(熔体)温度	185 - 285 °C	365 - 545 °F	Extrusion Coating