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PROTOLABS

Beijing Ranger Chem BLUESTAR® 1110 PBT

Categories: [Polymer](#); [Thermoplastic](#); [Polyester, TP](#); [Polybutylene Terephthalate \(PBT\)](#)

Material Notes: Can be used directly for spinning, or it can be used after reinforcement & compounding. It can also be used to produce cable sheath through tackification

Information provided by Beijing Ranger Chemical Co.

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

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Physical Properties	Metric	English	Comments
Density	1.30 - 1.31 g/cc	0.0470 - 0.0473 lb/in ³	ISO 1183
Viscosity Test	1.08 - 1.12 cm ³ /g	0.0108 - 0.0112 dl/g	Q/NHS501
Melt Flow	18 - 28 g/10 min	18 - 28 g/10 min	ISO 1133
Chemical Properties	Metric	English	Comments
Carboxyl End Groups	0.030 meq/kg	0.030 meq/kg	Q/NHS501
Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	50.0 - 60.0 MPa	7250 - 8700 psi	ISO 527
Processing Properties	Metric	English	Comments
Melt Temperature	220 - 225 °C	428 - 437 °F	
Moisture Content	0.30 %	0.30 %	

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