

BLUESTAR PBT 1100

Category : Polymer , Thermoplastic , Polyester, TP , Polybutylene Terephthalate (PBT) , Polybutylene Terephthalate (PBT), Glass Fiber Filled, Flame Retardant

Material Notes:

PBT resin is polymerized by pure terephthalic acid (PTA) and 1,4-butanediol (1,4-BDO) through direct esterification. With well-distributed molecular weight and stable quality, PBT resin possesses good chemical resistance, abrasive resistance, low friction factor and extremely low hygroscopicity, as well as good electrical, thermal and mechanical properties and processability. Primary applications include brushes (in blends with PET); color masterbatches, extrusion into sheets or films; optical cable, and after reinforcement and modification, the products can be widely used in more fields as electronics and electricity, automobiles, communication, IT, lighting, household appliances, commercial machines, machinery and other industries. CAS No: 30965-26-5 or 26062-94-2 Information provided by Polymer Technology and Services, LLC (PTS).

Order this product through the following link:

http://www.lookpolymers.com/polymer_BLUESTAR-PBT-1100.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.29 - 1.33 g/cc	1.29 - 1.33 g/cc	Dipping/distilled water; ISO 1183
Moisture Absorption at Equilibrium	<= 0.3 %	<= 0.3 %	Loss on drying; ISO 15512
Viscosity Measurement	0.98 - 1.02	0.98 - 1.02	Intrinsic Viscosity, Phenol-tetrachloroethane; ISO 1628-5
Melt Flow	30 - 45 g/10 min @Load 2.16 kg, Temperature 250 °C	30 - 45 g/10 min @Load 4.76 lb, Temperature 482 °F	ISO 1133
Ash	<= 0.035 %	<= 0.035 %	Calcination; ISO 3451-1

Thermal Properties	Metric	English	Comments
Melting Point	222 - 226 °C	432 - 439 °F	10°C/min; ISO11357 (DSC)

Descriptive Properties	Value	Comments
Carboxyl End Groups	<30 mol/t	Phenol-chloroform dissolvent, Potentiometric titration
Color B	<6.0	Pellet, C/2° light, Hunter Lab photometer

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