



Date: 8/9/2007
 Supercedes: Original

BOBBIN YARN

ECG 75 1/0 0.7Z 621/53 bbn
 EC9 68 Z28 621/53 bbn

| PROPERTIES | | INDIVIDUAL PACKAGE | LOT | PACKAGE INFORMATION | |
|--------------|-------------------------------------|--------------------|-----------------|--|------------------------------|
| Binder -- | Type | 621 | | PPG Bobbin Type | Bobbin Type = 53 |
| | % Nominal LOI % | 1.15% | 1.15% | Splices | Splice Free |
| | % Tolerance LOI % | +/- 0.25% | +/- 0.14% | Transfer Tails | Tie-on-Tails Available |
| | | | | Nominal Weight of Full Package | 19.5 Lbs/8.8 kg |
| Yardage -- | Bare Glass, Nominal | 7300 Yds/68 Tex | 7300 Yds/68 Tex | Minimum Package Weight | 10.0 Lbs/4.5 kg |
| | With Binder, Nominal | 7217 Yds/69 Tex | 7217 Yds/69 Tex | Package Weight Classification Supplied | SFM SFP |
| | % Tolerance | +/- 7.0% | +/- 3.0% | | |
| | | | | Minimum Metered Bobbin Length | 137,000 Yds/125,274 Meters |
| | | | | Breakdown by Bobbin Size Each Shipment | Contact PPG Customer Service |
| | Broken Filaments Per Plane, Maximum | 10.0 | | | |
| | % Moisture Content Maximum | 0.25% | 0.20% | | |
| | Tensile Strength, Minimum | 6.5 Lbs/29 Newtons | | | |
| Twist -- | Turns per Inch | +/- 0.20 TPI | | | |
| Tolerance -- | Turns per Meter | +/- 8 TPM | | | |

OTHER: Conforms to ASTM D578 test method for fiber glass yarns. Lot average - N = 28