



## Bobbin Yarn

ECH 12 1/0 0.7Z 611 #53 bbn  
EC11 408 Z28 611 #53bbn

P&QC: \_\_\_\_\_  
Marketing: \_\_\_\_\_

PROPERTIES		INDIVIDUAL PACKAGE	LOT	PACKAGE INFORMATION	
Binder --	Type	611		PPG Bobbin Type	#53
	% Nominal LOI %	0.70%	0.70%	Splices	Splice Free
	% Tolerance LOI %	+/- 0.30%	+/- 0.1%	Transfer Tails	Tie-on-Tails Available
				Nominal Weight of Full Package	19.0 Lbs / 8.6 kg
Yardage --	Bare Glass, Nominal	1215 Yds / 408 Tex	1215 Yds / 408 Tex	Minimum Package Weight	10.0 Lbs / 4.5 kg
	With Binder, Nominal	1205 Yds / 412 Tex	1205 Yds / 412 Tex	Package Weight Classification Supplied	TSFM
	% Tolerance	+/- 6.0%	+/- 1.0%		TSFP
Broken Filaments Per Bobbin, Maximum		10.0		Minimum Metered Bobbin Length	22,000 yards / 20000 meters
				Breakdown by Bobbin Size Each Shipment	Contact PPG Customer Service
% Moisture Content Maximum		0.25%	0.20%		
Tensile Strength, Minimum		36.7 Lbs / 163 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. For additional package information, refer to No. TPS-IV-C.