

P204 MULTI-END ROVING

A versatile material solution



P204 multi-end roving represents a versatile solution for a wide range of Sheet Molding Compound applications, especially where reduced glass changeovers are needed when manufacturing multiple types of parts.

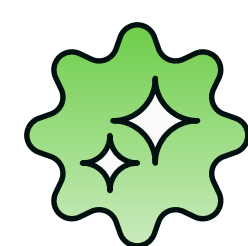
- ✓ P204 multi-end roving is made from Advantex® continuous glass filaments.
- ✓ Compatible with polyester, vinyl-ester and polyurethane resin systems.

Product Benefits



Efficient Processability

- Due to its outstanding impregnation and wet-out characteristics the product enables around 30% glass loading and thus reduced glass changeovers when making multiple parts with different end-use requirements.



Excellent Part Surface Finish

- Designed for use with Low Shrink (LS) and Low Profile (LP) formulations enabling enhanced 'Class-A' surface aesthetics.
- P204 can also be used in pigmentable applications.



Excellent Performance

- As a multi-functional solution, P204 provides excellent mechanical properties, dimensional stability and enhanced design flexibility due to proprietary sizing.



Enhanced Service Life

- Advantex® glass helps fight corrosion, enhancing service life compared to standard E-glass.

Application

P204 is designed to provide optimal performance in Sheet Molding Compound (SMC) transportation applications such as automotive 'Class-A' or structural parts. It can be also used for the manufacture of general purpose end-use products.



Availability

P204 is available worldwide.

MANUFACTURING REGION	PRODUCT/DOFF DESCRIPTION	EXTERNAL Ø MM (IN)	HEIGHT MM (IN)	NET WEIGHT KG (LB)
Europe	P204 2400/4800 Tex	290	260	19
North America	P204 2400/4800 Tex	285 (11.2) / 350 (13.7)	265 (10.4)	19.9 (43.8) / 31 (68.3)
Asia Pacific	P204 2400/4800 Tex	280	265	18
Asia Pacific	P204 2400/4800 Tex	290	260	19
North America	MegaDoff/4800 Tex	542	620	450

Technical Characteristics

LINEAR WEIGHT OF ROVING (TEX)	YIELDS (YD/LB)	LOSS ON IGNITION (%) ISO 1887:1995
2400	207	1.20
4800	103	1.20

Packaging and Labeling

Each bobbin is protected by a plastic film (Tack-Pak®). Please do not remove film during use. Creel-Pak® packaging is available upon request. Each bobbin has a self-adhesive identification label, showing the product reference and the production date. Each pallet has at least one identification label detailing the product reference, pallet net and gross weights, production date and pallet production code. The packaging system is designed to allow short term stacking of two pallets. When stacking two-high, care should be taken to correctly and smoothly place the top pallet. It is recommended to use a plywood plate between the two pallets in order not to damage the lower pallet.

MANUFACTURING REGION	PRODUCT/DOFF DESCRIPTION	DOFF Ø (MM/IN)	PALLET DIM LxWxH CM (IN)	LAYERS PER PALLET	DOFFS PER LAYER	NUMBER OF ENDS	PALLET NET WEIGHT KG (LB)
Europe	P204 2400/4800 Tex	290	90 x 120 x 122 & 120 x 120 x122	4	16/12	1 to 16	1000/1220
North America	P204 2400/4800 Tex	285 (11.2)	114 x 114 x 122 & 142 x 109 x 122 (44.9 x 44.9 x 48 & 55.9 x 42.9 x 48)	3/4	16/12	16/12	955/1488 (2,105/3,280)
Asia Pacific	P204 2400/4800 Tex	280	115 x 115 x 95	3	16	1 to 16	864
Asia Pacific	P204 2400/4800 Tex	290	113 x 113 x 120	3	16	2	800

Storage

Unless otherwise specified, it is recommended that glass fiber products be stored in a cool, dry area. Recommended long-term storage conditions are temperatures between 10 °C and 35 °C and relative humidity between 35% and 85%. While temporary deviations may occur during storage or transportation, product performance can be confirmed through routine verification testing if exposure outside these conditions has occurred for an extended period. Glass fiber products should remain in their original packaging until the point of use. To help prevent condensation, keep product in its original, unopened packaging and allow it to naturally acclimate to the workshop temperature for at least 24 hours before opening or use. Packaging is not waterproof and should be protected from weather and other sources of moisture. Although fluctuations may occur during transportation, handling, and temporary storage, products should be maintained within the recommended storage ranges after receipt to help preserve product performance. A defined shelf life has not been established for the product when stored under recommended conditions. However, retesting is recommended after two years from the date of manufacture to help ensure optimum performance.

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