



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 requirement.
-  **Excellent Performance**
 - As a multi-functional solution, P204 provides excellent mechanical properties, dimensional stability and enhanced design flexibility due to proprietary sizing.
-  **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.
-  **Enhanced Service Life**
 - Advantex® glass helps fight corrosion, enhancing service life compared to standard E-glass.
-  **MEGADOFF – Decrease Splices And Increase Throughput**
 - Introducing MEGADOFF, a new doff option that increases the amount of glass from 40 lb in a typical doff to 1,939 lb. Increased doff weight eliminates doff-to-doff splices and improves the continuous flow of robotic and automated manufacturing lines. Zero doff transition also improves part quality and increases manufacturing throughput.

Application

P204 product is designed to provide optimal performance in Sheet Molding Compound (SMC) transportation applications such as automotive 'Class-A' or structural parts. 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 x 122	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
North America	MegaDoff/4800 Tex	542	(45 x 45 x 30)	1	4	4	880 (1939)

Storage

Unless otherwise specified, it is recommended to store glass fiber products in a cool, dry area. Ideal conditions are at a temperature between 10 °C and 35 °C and a relative humidity between 35% and 85%. The glass fiber products must remain in their original packaging material until the point of usage. If the storage temperature is below 15 °C, it is recommended that the product be stored in the workshop, within its original packaging, at least 24 hours prior to use to help prevent condensation. The packaging is not waterproof. Be sure to protect the product from the weather and other sources of water. When stored properly, there is no known shelf life to the product, and retesting is advised after three years from the initial production date to ensure optimum performance.

**MAKE
MORE
POSSIBLE™**

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