

OSTROM 504

Made with 80% post-consumer recycled material



PROCESSING OF OSTROM 504

Suitable for Sheet, Film, Cast & Profile Extrusion, Blown film extrusion, Injection Molding, Compression Molding, Thermoforming and Blow Molding.

Processing temperature range 460°F to 550°F (235°C to 285°C)

PROPERTIES OF OSTROM 504

ASTM	OSTROM 504
Melt Index	8.4 (g/10 min@285°C/2.16 Kg)
Density	1.09 g/cm
Tensile Strength @ yield	2,582 psi
Tensile Modulus	87,168 psi
Flexural Strength	2,843 psi
Flexural Modulus	97,320 psi
Heat Deflection Temperature	136°F
Vicat softening temperature	188°F
Shore D	61
Oxygen Index	18.6C _F
Dielectric Strength	600 V/Mil
Water Vapor Transmission Rate	5.41 g/(m ² -day)

(In accordance with ASTM: D792, D638, D790, D648, D2240, D1525, D3418, D2863, D149, F1249)



POTENTIAL APPLICATIONS FOR OSTROM 504

- ✓ Flexible Packaging - films, bags, and wraps that require durability, flexibility and excellent barrier properties.
- ✓ Consumer Goods - household items, toys, and sporting goods, where both strength and flexibility are important.
- ✓ Electrical Components - electrical housings, connectors, or insulation materials.

PACKAGING AVAILABLE

- 55lb bag
- 1500lb gaylord

BENEFITS OF OSTROM

- Apex Polymer Corp. is committed to actively **diverting waste away from landfills**, our alloys are a unique blend of PCR and PIR containing between **80 - 97% recycled content**.
- All our raw materials are **locally and reliably sourced**, and available in **FDA compliant grades**. We are focused on **reducing our carbon footprint** through local manufacturing of the product and product delivery from our **centrally located warehouse in Texas**.
- Our resin blends undergo a **reactive extrusion process**, allowing us to break barriers when it comes to utilization of recycled content. Our **high-quality** recycled resin blend offers **no contamination** and a **high degree of batch-to-batch consistency** - unlike regrind
- Ostrom offers a unique chemistry allowing our materials to display **superior mechanical properties**, including excellent barrier properties, offering **sustainable benefits in packaging applications**, and excellent tensile and impact strength allowing us to replace engineering resins at a **competitive price with sustainable advantages**.
- With four available grades of Ostrom we offer a **versatility of products across several industries**. Products are also available with additives and fillers upon request (UV stabilizer, antioxidant, carbon black, talc, glass) - please ask for details.

