

OSTROM 80

Made with 80% post-consumer recycled material



PROCESSING OF OSTROM 80

Suitable for Extrusion, Injection Molding, Compression Molding & Thermoforming
Processing temperature range 460°F to 550°F (235°C to 285°C)

PROPERTIES OF OSTROM 80

ASTM	OSTROM 80
Melt Index	23 (g/10 min@285°C/2.16 Kg)
Density	1.21 g/cm
Tensile Strength @ yield	3,002 psi
Tensile Modulus	175,060 psi
Flexural Strength	4,772 psi
Flexural Modulus	181,442 psi
Heat Deflection Temperature	165°F
Vicat softening temperature	352°F
Shore D	68

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



POTENTIAL APPLICATIONS FOR OSTROM 80

- ✓ **Automotive Components** - under-the-hood parts, interior panels, or structural components that require durability and heat resistance.
- ✓ **High-Performance Packaging** - electronics, and applications where thermal stability is important.
- ✓ **Electrical and Electronic Components** - electronic housings, connectors, and components that need to withstand heat and mechanical stress.
- ✓ **Furniture and Consumer Goods** - furniture components, durable consumer goods, or other products where longevity and material strength are important.
- ✓ **Industrial Applications** - gears, bearings, or high-strength parts that require rigidity, wear resistance, and thermal stability.
- ✓ **Construction Materials** - panels, fittings, or profiles that require strength and environmental responsibility.

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.

