



HP-PCR HDPE

POST CONSUMER RECYCLED HDPE



The HPGRDC has successfully developed a 100% Post-Consumer Recycled High-Density Polyethylene (PCR HDPE) for manufacturing HP Lubricant bottles enhanced with a proprietary HP Recycling additive that improves thermal properties, top-load strength, durability, and processability.



- ❖ A Sustainable Initiative towards Zero Plastic Waste
- ❖ Part of Extended Producer Responsibility (EPR)
- ❖ Reduced Carbon Footprint



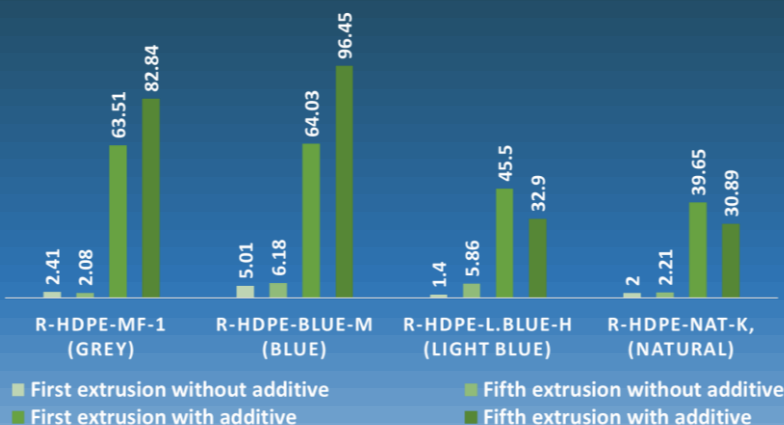
HP-PCR HDPE

POST CONSUMER RECYCLED HDPE

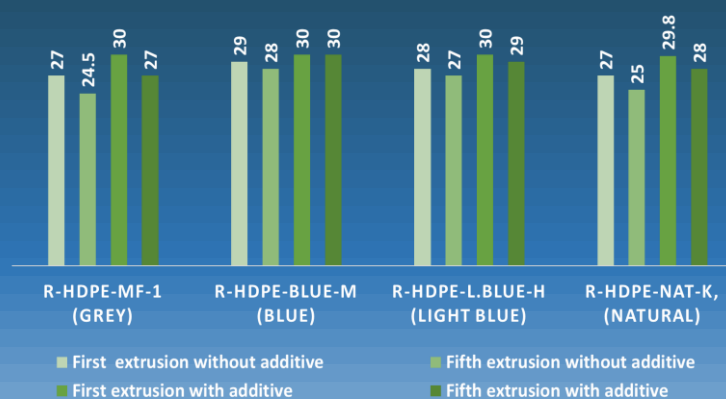


"Scaled up to tons, with performance demonstrated"
"HP Recycling additive Enhanced Strength & Durability"

OXYGEN INDUCTION TIME (OIT) AS PER ASTM D3895



TOP LOAD (Kg)



Sustainability

- Reduces reliance on virgin plastics, supporting the circular economy.

Cost Efficiency

- PCR HDPE offers a cost-effective alternative to virgin polymers with growing supply.

Compliance

- Helps to meet EPR regulations for recycled content in packaging

Performance & Quality

- Maintain the necessary performance, strength, and durability for lubricant bottles

HP Recycling Additive improves top load and thermal properties, ensuring superior performance even after 5 multiple extrusions.