# VINMAR POLYMERS AMERICA

## VINPOL™ RotoEvolution | E series

### VINPOL™ ENDURE | IndustrialLogic Series

# MD0635UG
## Medium Density Polyethylene

| Melt Index: 6 | Density: 0.935 |
|---|---|

**VINPOL ENDURE MD0635UG** is a 35 mesh, granular, high density polyethylene powder providing Extreme Stiffness, Impact Resistance, and Toughness. This product is specifically designed for rotomolding applications such as agricultural storage tanks, bulk containers and feeders where high abrasion resistance and an advanced UV12 package is required. This product is available in natural and custom pre-color versions.

The Vinpol Roto Evolution Series delivers next generation technology advances for rotational molders. Engineered and tested for high performance applications, this lineup offers expanded processing windows and differentiated UV resistant additive packages. The results are industry leading durability and impact with improved melt flow options.

| Resin Property | Typical Value | Units | Test Method |
|---|---|---|---|
| Melt Index, 2.16 Kg at 190°C | 6 | g/10 min | ASTM D-1238 |
| Density | 0.935 | g/cm$^3$ | ASTM D-792 |
| Bulk Density | 34 +/- 5 | g/cm$^3$ | ARM |
| Flexural Modulus, Tangent | 100,000 (689) | psi (MPa) | ASTM D-790 |
| Tensile Yield Strength | 2,500 (17) | psi (MPa) | ASTM D-638 |
| UV12 Weathering Test | Pass | - | ASTM D-2565 |
| Heat Deflection Temperature, 66psi | 136 (58) | °F (°C) | ASTM D-648 |
| ARM Cold Temperature Impact, 1/8", -40°F Conditioned, 10 lb Dart | 49 (66) | ft-lbs (J) | ARM |
| Flow Rate | < 30 | Seconds | ARM |