(+) 188 1699 6168 hongrunplastics.com

Petrothene GA837091 lyondellbasell

Medium Density Polyethylene Wire and Cable Grade Melt Index 0.75 Density 0.9345

Petrothene GA837091 is a broad molecular weight, medium density resin designed for use as **Applications** a base resin in wire and cable jacketing. An antioxidant has been added to ensure thermal stability. GA837091, like other thermoplastic polyolefin compounds, can be extruded as wire a cable Regulatory jacketing using a conventional extruder. Below are suggested extrusion conditions for **Status** GA837091 These conditions are intended as general guidelines only and are not optimum values, since manufacture conditions, such as extruder type and size, affect the processing of thermoplastic compounds. For exact recommendations, contact your Equistar sales representative. Extruder Zone **Temperature Range Extruder Zone Temperature Range** Suggested Feed 310°-325°F (154°-163°C) Zone 4-X 400°-425°F (204°-218°C) General 350°-380°F (177°-193°C) 400°-425°F (204°-218°C) **Extrusion** Zone 2 Adapter 380°-410°F (193°-210°C) 400°-425°F (204°-218°C) Zone 3 **Conditions** Die GA837091 meets the requirements of the following: ASTM D 1248, Type II, Category 4, Class Industry A, Grade E9. Federal LP390C, Type II, Class M, Category 4, Grade 2. **Specifications** Nominal ASTM Property Value Units **Test Method Typical** Melt Index 0.75 g/10 min. D 1238 **Properties** Densitv 0.9345 D 1505 g/cc psi (MPa) Tensile Strength @ Break 4,100 (28.3) D 638 Tensile Stress @ Yield 2,400 (16.5) psi (MPa) D 638 Elongation @ Break 790 % D 638 Dielectric Constant @ 1 MHz 2.31 D 1531 Dissipation Factor @ 1 MHz 0.00006 D 1531 ESCR, 10% lgepal® >1,000 D 1693 hours Low Temperature Brittleness, F₅₀ <-76 °C D 2240 For further information on resins and compounds for wire and cable, contact your Equistar sales or technical service representative.

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