



ROTOFOAM BLACK

1. Product description

Linear Medium Density Polyethylene Hexene Grade foamed UV8, specially formulated to obtain rotationally molded parts with internal foam, providing a fine cell structure, uniform and more dense and smooth finish. It provides greater thickness, durability, resistance to impact and deformation.

Available in black color composite powder.

Applications: High quality polyethylene, excellent for making integrated defined interiors and fine finish outer layer foaming consistency.

The base resin used in the manufacture of this product meets all requirements of approval given by the FDA, 21 CFR 177.1520 and regulations stipulated by the CONEG (as compound) for products intended to come into contact with food.

2. Typical Properties

Test	U.M.	Test Method	Minimum	Maximum
RESIN				
Reaction Temperature	°C		190	220
Reaction Products			N ₂ , CO, CO ₂ , NH ₃ y H ₂ O Vapor	
Melt Index	g/10 min	ASTM D-1238	5.0	
Apparent Density	kg/m ³ g/cm ³	ASTM D-1895	330-390 0.33-0.39	
Pourability	g/s	ASTM D-1895	2.5 – 4	
Appearance	Visual	Visual	Powder	
Color	Visual	Visual	Black	
Solubility			Relatively insoluble in water and organic solvents. Soluble in strong acids and bases. Reacts with acetone.	
Discoloration			Decomposition residue is white.	
Odor			Odor Free	
PARAMETERS OF FINISHED PRODUCTS FOAM INTERNAL LAYER				
Density (foamed Material)	kg/m ³ g/cm ³		312 0.312	
Final Appearance	Visual	Visual	Skin smooth with uniform closed cells in the inside layer	
Color	Visual	Visual	Black	

The technical information, suggested uses and applications submitted, are based on the properties and applications typical of the product. Polimeros Mexicanos S.A. de C.V. is not responsible for the use, nor for results based on this information, must of all users do their own tests to determine their use.