Issue Date: December 2014
Replace to: July 2013

ROTOFOAM C

1. Product description

Hexene Copolymer Linear Medium Density Polyethylene with UV8 for foaming applications. It is specially formulated for inner layers with excellent foam cell structure and smooth surface finish. It increases thickness, durability and resistance to stiffness of molded part.

Available as white powder compound.

Applications: High quality Polyethylene to produce integrated interior structural foam walls with smooth surface finish.

This product meets all requirements of US food and drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.

2 . Typical Properties

Test	U.M.	Test Method	Minimum	Maximum
RESIN				
Reaction Temperature	°C		195	210
Reaction Products			N_2 , CO, CO_2, NH_3 y H_2O Vapor	
Melt Index	g/10 min	ASTM D-1238	5.2	
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	White	
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		321 0.321	
Final Appearance	Visual	Visual	Skin smooth with uniformed closed cells in the inside layer	
Color	Visual	Visual	White - Cream	

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.

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