

Polimeros Mexicanos Rotolene® Black Plus Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE)

Material Notes:

Polyethylene compound specially formulated for rotational molding applications requiring good mechanical properties and good mold release properties. Rotational molded parts have smooth surface and texture finish when produced under optimal process conditions. Formulated for manufacturing water tanks (less than 1200 liters capacity) offering good mechanical properties and durability. Meets CONEG regulation for articles intended for direct food contact. Information provided by Polimeros Mexicanos

Order this product through the following link:

http://www.lookpolymers.com/polymer_Polimeros-Mexicanos-Rotolene-Black-Plus-Polyethylene.php

Physical Properties	Metric	English	Comments
Bulk Density	0.330 - 0.390 g/cc	0.0119 - 0.0141 lb/in ³	ASTM D1895
Density	0.937 g/cc	0.0339 lb/in ³	ASTM D792
Particle Mesh Size	35 Mesh	35 Mesh	less than 2%; ASTM D1921
Melt Flow	4.0 - 5.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 - 5.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Impact Test	61.0 J @Temperature -40.0 °C	45.0 ft-lb @Temperature -40.0 °F	0.125 in.; ARM test

Descriptive Properties	Value	Comments
Pourability	2.5 - 4 gr/s	
Process	Rotational Molding	

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