MDPE RT5934.G

Medium Density PolyethyleneGranular

StarResin

Overview

MDPE RT5934.G is a Medium Density Polyethylene (MDPE) granular powder compound, a hexene copolymer with narrow molecular weight distribution and produced using advanced gas phase PE process. It's designed to provide excellent stress crack resistance, better mechanical properties with high rigidity, toughness, gloss and very low warpage. Antioxidant and UV stabilizers are added to ensure protection against degradation by heat or UV irradiation.

Applications

- Rotational molding applications

Property	Value	Unit	ASTM
Melt index (condition 190°C/2.16 kg)	5.0	g/10 min	D 1238
Density (g/cm³)	0.934	g/cm³	D 792
Brittleness Temperature	<-100	°C	D 746
ESCR, Condition B	> 1000	hours	D1693
Flexural Modulus	428	MPa	D790
Bulk Density	0.37	g/cm³	D1895
Tensile Strength at Yield	14	MPa	D882
Elongation at Break	650	%	D882
Tensile Strength at Break	16	MPa	D638

This information, to our knowledge, is believed to be correct. The use of this product in its actual conditions are beyond our control and satisfactory results for this product is the customer's sole responsibility. User must make their own decisions regarding its suitability for their equipment and final products.