

MDPE RT5934.G

Medium Density
Polyethylene Granular



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 230°C/2.16 kg)	5.0	g/10 min	D 1238
Density (g/cm ³)	0.934	g/cm ³	D 792
Brittleness Temperature	<-100	°C	D 746
ESCR, Condition B	> 1000	hours	D1693
Flexural Modulus	428	MPa	D790
Bulk Density	0.37	g/cm ³	D1895
Tensile Strength at Yield	14	MPa	D882
Elongation at Break	650	%	D882
Tensile Strength at Break	16	MPa	D638