

HDPE F01552

PRODUCT DESCRIPTION

HDPE F01552 is a medium molecular weight high density polyethylene specifically designed for blown film extrusion. It has a broad molecular weight with excellent extrudability and draw down characteristics. The material contains anti oxidant .

TRPICAL APPLICATION

HDPE F01552 resin is recommended for the production of strong millinery and notion bags, deep freeze bags, table cloths and thin film as quality replacement for paper products

TYPICAL DATA

Properties	Units SI	Values	Test methods
Polymer properties			
Melt flow rate (MFR) at 190 °C and 2.16 kg at 190 °C and 21.6 kg	g/10 min g/10 min	0.15 16	ISO 1133
Density	kg/m ³	952	ISO 1183
Formulation			
Anti oxidant	mg/kg	+	SABIC method
Film properties			
Dart Impact F50	g	180	ASTM D 1709
Tear strength TD Elmendorf	g	40	ASTM D 1922
Tear strength MD Elmendorf	g	4	ASTM D 1922
Tensile test film			ASTM D 882
Yield stress TD	MPa	30	
Yield stress MD	MPa	31	
Stress at break TD	MPa	49	
Stress at break MD	MPa	55	
Strain at break TD	%	610	
Strain at break MD	%	400	
Modulus of elasticity TD	MPa	1700	
Modulus of elasticity MD	MPa	1400	
Thermal properties			
Vicat softening temperature	°C	125	ASTM D 1525