

MIDILENA I SS-94

High Density Polyethylene

ROMPETROL PETROCHEMICALS S.R.L.

Message:

High density polyethylene, copolymer, with basic stabilization. Ethylene and 1-butene are the only monomers used for producing the above grade; there are not used plasticizers or coloured masterbatches. The product has natural color.
Applications: injection molding, automotive parts, crates for maritime transports.

General Information			
Features	Copolymer		
	Good Stability		
	Recyclable Material		
Uses	Automotive Applications		
	Crates		
Agency Ratings	EU 2002/72/EC		
Appearance	Natural Color		
Forms	Granules		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.950 to 0.970	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) ¹ (190°C/2.16 kg)	6.0 to 9.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (50°C, 100% Igepal)	> 6.00	hr	ASTM D1693
Ash Content	< 0.080	%	ASTM D5630
Content - Residual Solvent	< 0.080	%	ASTM D4526
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C, Injection Molded)	> 23.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C, Injection Molded)	> 9.0	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact Strength ² (23°C, Injection Molded)	> 4.0	kJ/m ²	ISO 180/1U
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	> 115	°C	ISO 306/A50
Injection	Nominal Value	Unit	Test Method
Processing (Melt) Temp	180 to 230	°C	
NOTE			
1.	Procedure B		

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