

TIPELIN® BA 550-13

High Density Polyethylene
MOL Petrochemicals Co. Ltd.

Message:

TIPELIN BA 550-13 is a high density polyethylene copolymer (with hexene-1 as comonomer) grade for blow moulding of products which require good chemical resistance, furthermore high rigidity. The grade contains antioxidant and acid scavenger.

Applications

TIPELIN BA 550-13 is recommended for bottles and cans up to 30 litre capacity for non-aggressive household chemicals, cosmetics and oils. The product is suitable for non-pressure pipes and corrugated pipes too.

TIPELIN BA 550-13 is suitable for food contact and toys. The product complies with Food Contact and Toy Safety Regulations.

General Information			
Additive	Acid Neutralizer		
	Antioxidant		
Features	Antioxidant		
	Food Contact Acceptable		
	Good Chemical Resistance		
	Hexene Comonomer		
	High Rigidity		
	Oil Resistant		
	Recyclable Material		
Uses	Blow Molding Applications		
	Bottles		
	Corrugated Pipe		
	Piping		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.35	g/10 min	
190°C/21.6 kg	28	g/10 min	
190°C/5.0 kg	1.5	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	54.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	65		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2

Tensile Strain (Break)	1100	%	ISO 527-2
Flexural Modulus	1600	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	15	kJ/m ²	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	129	°C	ISO 306/A120
Oxidation Induction Time (200°C)	10	min	EN 728
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 165	°C	

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