TIPELIN® 6300B

High Density Polyethylene

MOL Petrochemicals Co. Ltd.

Message:

TIPELIN 6300B is a high density bimodal polyethylene copolymer (with butene-1 as comonomer) intended for blow moulding of products with high stiffness and excellent environmental stress crack resistance (ESCR). The grade contains antioxidant and acid scavenger.
TIPELIN 6300B is recommended for bottles and containers up to 10 litre capacity for detergents, household chemicals and for blow moulded products for packaging of aggressive industrial chemicals bounded to UN certificates. It is suitable for corrugated pipes too
TIPELIN 6300B is suitable for food contact and for manufacturing of pharmaceutical packing products. The product complies with Food Contact and Pharmaceutical Regulations.

General Information	
Additive	Acid Neutralizer Antioxidant
Features	Antioxidant Bimodal Molecular Weight Distribution Detergent Resistant Food Contact Acceptable Good Chemical Resistance High ESCR (Stress Crack Resist.) High Stiffness Oil Resistant Recyclable Material
Uses	Bottles Containers Corrugated Pipe
Forms	Pellets
Processing Method	Blow Molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.30	g/10 min	
190°C/21.6 kg	30	g/10 min	
190°C/5.0 kg	1.3	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	700	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)	32.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	11	%	
Break	1300	%	
Flexural Modulus	1550	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	9.0	kJ/m^2	ISO 180/A
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ISO 306/A120
Oxidation Induction Time (200°C)	32	min	EN 728
Extrusion	Nominal Value	Unit	
Melt Temperature	150 to 165	°C	

Recommended distributors for this material

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