TIPELIN® 7300B

High Density Polyethylene

MOL Petrochemicals Co. Ltd.

Message:

TIPELIN 7300B 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.
Applications
TIPELIN 7300B is recommended for blow moulding of jerry cans for packaging of aggressive industrial chemicals bounded to UN certificates. The grade is recommended for sheet extrusion as well. It is suitable for corrugated pipes too.
TIPELIN 7300B 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
	Butene Comonomer
	Food Contact Acceptable
	Good Chemical Resistance
	High ESCR (Stress Crack Resist.)
	High Stiffness
	Recyclable Material
Uses	Blow Molding Applications
	Corrugated Pipe
	Industrial Applications
	Jerricans
	Pharmaceutical Packaging
	Sheet
Forms	Pellets
Processing Method	Blow Molding
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.955	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.10	g/10 min	
190°C/21.6 kg	12	g/10 min	
190°C/5.0 kg	0.40	g/10 min	

Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	1000	hr	ASTM D1693B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	64		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress			ISO 527-2
Yield, Compression Molded	37.0	MPa	
Break, Compression Molded	36.0	MPa	
Tensile Strain			ISO 527-2
Yield, Compression Molded	12	%	
Break, Compression Molded	1400	%	
Flexural Modulus	1600	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C)	18	kJ/m^2	ISO 180/A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	127	°C	ISO 306/A120
Oxidation Induction Time (200°C)	40	min	EN 728
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	180 to 220	°C	

Recommended distributors for this material

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