TIPELIN® BB 620-17

High Density Polyethylene

MOL Petrochemicals Co. Ltd.

Message:

TIPELIN BB 620-17 is a high density polyethylene copolymer (with hexen-1 as comonomer) grade for blow moulding of products which require high rigidity. The grade contains antioxidant and acid scavenger
TIPELIN BB 620-17 is recommended for small size bottles for food packing (for dairy products, yogurt, mineral water, juice). The product is suitable for injection moulding of small size containers for food applications. Furthermore it is suitable for corrugated pipes too
TIPELIN BB 620-17 is suitable for food contact, for manufacturing of pharmaceutical packing products and toys. The product complies with Food Contact, Pharmaceutical and Toy Safety Regulations.

General Information			
Additive	Acid Neutralizer Antioxidant		
Features	Acid Resistant Antioxidant Copolymer Food Contact Acceptable Good Chemical Resistance High Rigidity		
Uses	Blow Molding Applications Bottles Corrugated Pipe Food Containers Food Packaging		
Forms	Pellets		
Processing Method	Blow Molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.961	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.70	g/10 min	
190°C/21.6 kg	50	g/10 min	
190°C/5.0 kg	2.9	g/10 min	
Environmental Stress-Cracking Resistance (100% Igepal CO-630, Injection Molded, F50)	21.0	hr	ASTM D1693B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, Injection Molded)	67		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**

Tensile Stress (Yield, Injection Molded)	32.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield, Injection Molded	11	%	
Break, Injection Molded	430	%	
Flexural Modulus (Injection Molded)	1800	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C)	16	kJ/m^2	ISO 180/A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	130	°C	ISO 306/A120
Oxidation Induction Time - Injection Molded (200°C)	8.0	min	EN 728
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	150 to 165	°C	

Recommended distributors for this material

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