TIPELIN® 7111S

High Density Polyethylene

MOL Petrochemicals Co. Ltd.

Message:

Bimodal HDPE for sheet extrusion and blow moulding
TIPELIN 7111S is a high density bimodal polyethylene copolymer (with butene-1 as comonomer) intended for sheet extrusion and blow moulding of products with high stiffness, excellent environmental stress crack resistance, full notched creep behavior and improved long-term color stability. The grade contains antioxidants and acid scavengers.
TIPELIN 7111S is recommended for the extrusion of sheets of industrial parts and consumer packaging as well, highly recommended in cases when better colour stability and lower yellowness value of the product is needed.
TIPELIN 7111S is also recommended for non-pressure pipe extrusion and for blow moulding of jerry cans for the packaging even of aggressive industrial chemicals.
TIPELIN 7111S is suitable for food contact, for manufacturing of toys. The product complies with Food Contact and Toy Safety Regulations. Receiving of certifications is in progress.

General Information	
Additive	Acid Neutralizer
	Antioxidant
Features	Antioxidant
	Bimodal Molecular Weight Distribution
	Butene Comonomer
	Copolymer
	Food Contact Acceptable
	Good Color Stability
	High Density
	High ESCR (Stress Crack Resist.)
	High Stiffness
	Recyclable Material
Uses	Industrial Applications
	Jerricans
	Packaging
	Piping
	Sheet
	Toys
Forms	Pellets
Processing Method	Blow Molding
	Pipe Extrusion
	Sheet Extrusion

Physical	Nominal Value	Unit	Test Method

Density (23°C)	0.949	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.12	g/10 min	
190°C/21.6 kg	13	g/10 min	
190°C/5.0 kg	0.50	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	> 10000	hr	ASTM D1693B
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D)	63		ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus (Injection Molded)	1350	MPa	ISO 178
Films	**Nominal Value**	**Unit**	**Test Method**
Film Thickness - Tested	70	µm	
Tensile Stress			ISO 527-3
Yield, 70 µm, Blown Film	25.0	MPa	
Break, 70 µm, Blown Film	35.0	MPa	
Tensile Elongation			ISO 527-3
Yield, 70 µm, Blown Film	13	%	
Break, 70 µm, Blown Film	1300	%	
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C)	18	kJ/m²	ISO 180/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ISO 306/A120
Oxidation Induction Time (200°C)	120	min	EN 728
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	180 to 220	°C	

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China