TIPELIN® 7700M

High Density Polyethylene

MOL Petrochemicals Co. Ltd.

Message:

TIPELIN 7700M is a natural, high density polyethylene copolymer (with butene-1 as comonomer) grade. The product shows excellent mechanical properties and environmental stress crack resistance (ESCR). The grade contains antioxidant and acid scavenger.
TIPELIN 7700M is recommended for non-pressure pipes and sheet manufacturing.
TIPELIN 7700M is suitable for food contact. The product complies with Food Contact Regulations.

General Information	
Additive	Acid Neutralizer Antioxidant
Features	Antioxidant Butene Comonomer Food Contact Acceptable High ESCR (Stress Crack Resist.) Recyclable Material
Uses	Fittings Piping Sheet
Appearance	Natural Color
Forms	Pellets
Processing Method	Extrusion Injection Molding Pipe Extrusion Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.948	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.060	g/10 min	
190°C/21.6 kg	8.0	g/10 min	
190°C/5.0 kg	0.26	g/10 min	
Environmental Stress-Cracking Resistance (10% Igepal CO-630, Compression Molded, F50)	> 10000	hr	ASTM D1693B

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, Compression Molded)	63		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, Compression Molded	25.0	MPa	
Break, Compression Molded	36.0	MPa	
Tensile Strain			ISO 527-2
Yield, Compression Molded	13	%	
Break, Compression Molded	1300	%	
Flexural Modulus (Compression Molded)	1350	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (23°C, Compression Molded)	18	kJ/m^2	ISO 180/A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	125	°C	ISO 306/A120
Oxidation Induction Time - Compression Molded (200°C)	> 120	min	EN 728
Extrusion	**Nominal Value**	**Unit**	
Melt Temperature	150 to 165	°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