

Petrothene® GA837091

Linear Medium Density Polyethylene
LyondellBasell Industries

Message:

Petrothene GA837091 is a broad molecular weight, medium density resin designed for use as a base resin in wire and cable jacketing. An antioxidant has been added to ensure thermal stability.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Melt Strength		
	Good Stiffness		
	High ESCR (Stress Crack Resist.)		
	Med.-Wide Molecular Weight Distrib.		
Uses	Cable Jacketing		
	Wire & Cable Applications		
	Wire Jacketing		
Agency Ratings	ASTM D 1248, II, Class A, Cat. 4, Grade E9		
	FED L-P-390C, Type II, Class M, Category 4, Grade 2		
Forms	Pellets		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.75	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (10% Igepal)	> 1000	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	16.5	MPa	
Break	28.3	MPa	
Tensile Elongation (Break)	790	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Electrical	Nominal Value		Test Method
Dielectric Constant (1 MHz)	2.31		ASTM D150
Dissipation Factor (1 MHz)	6.0E-5		ASTM D150
Extrusion	Nominal Value	Unit	

Cylinder Zone 1 Temp.	154 to 163	°C
Cylinder Zone 2 Temp.	177 to 193	°C
Cylinder Zone 3 Temp.	193 to 210	°C
Cylinder Zone 4 Temp.	204 to 218	°C
Adapter Temperature	204 to 218	°C
Die Temperature	204 to 218	°C

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

