

TOTAL Polyethylene MDPE 3802 (Wire and Cable)

Medium Density Polyethylene
TOTAL Refining & Chemicals

Message:

MDPE 3802 is a natural medium density polyethylene particularly suited for coloured cable sheathing applications and designed to meet the requirements for telecommunication and power cables (medium and high voltage).
MDPE 3802 key characteristics are
A superior resistance to crack formation and growth
An optimal balance of flexibility and mechanical strength allowing easy coiling, handling and installation together with high surface hardness and excellent abrasion resistance.
An optimised formulation of additives (antioxidants) providing outstanding long-term stability in service
Low dielectric constant
Easy processing

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Abrasion Resistance		
	Good Crack Resistance		
	Good Flexibility		
	Good Processability		
	High Hardness		
Uses	Wire & Cable Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Natural Color		
Processing Method	Wire & Cable Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/2.16 kg	0.20	g/10 min	
190°C/5.0 kg	0.90	g/10 min	
Environmental Stress-Cracking Resistance (F50)	> 1000	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	60		DIN 53505
Thermal	Nominal Value	Unit	Test Method
Oxidation Induction Time (200°C)	> 20	min	BS EN 728
Extrusion	Nominal Value	Unit	
Melt Temperature	180 to 240	°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

