TOTAL Polyethylene MDPE 3802 B (Wire and Cable)

Medium Density Polyethylene

TOTAL Refining & Chemicals

Message:

MDPE 3802 B is a black medium density polyethylene particularly suited for cable sheathing applications and designed to meet the requirements for telecommunication and power cables (medium and high voltage).
MDPE 3802 B 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 and finely dispersed carbon black providing outstanding long-term stability in service
Low dielectric constant
Easy processing

General Information			
Additive	Carbon Black		
Features	Good Abrasion Resistance Good Crack Resistance Good Flexibility Good Processability		
Uses	Wire & Cable Applications		
Agency Ratings	EC 1907/2006 (REACH)		
Appearance	Black		
Processing Method	Wire & Cable 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	0.20	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	

Recommended distributors for this material

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