

Total MDPE 3802 B Medium Density Polyethylene, Cable

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE

Material Notes:

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 optimized formulation of additives and finely dispersed carbon black providing outstanding long-term stability in service, Low dielectric constant, Easy processing. Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-MDPE-3802-B-Medium-Density-Polyethylene-Cable.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.948 g/cc	0.948 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F50; ASTM D1693B
Melt Flow	0.20 g/10 min	0.20 g/10 min	ISO 1133/D
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	
	0.90 g/10 min	0.90 g/10 min	ISO 1133/T
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	DIN 53505

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 240 °C	356 - 464 °F	

Descriptive Properties	Value	Comments
Thermal Stability 200°C	> 20 min	EN 728

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