

## Total MDPE 3802 Medium Density Polyethylene, Cable

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE , Medium Density Polyethylene (MDPE), Extruded

**Material Notes:**

MDPE 3802 is a natural medium density polyethylene particularly suited for colored 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 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 (antioxidants) 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-Medium-Density-Polyethylene-Cable.php](http://www.lookpolymers.com/polymer_Total-MDPE-3802-Medium-Density-Polyethylene-Cable.php)

Physical Properties	Metric	English	Comments
Specific Gravity	0.938 g/cc	0.938 g/cc	ISO 1183
Environmental Stress Crack Resistance	>= 1000 hour	>= 1000 hour	F50; ASTM D1693/B
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

## Contact Songhan Plastic Technology Co.,Ltd.

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