

## Total PPC M6823MZ Metallocene Isostatic Propylene Polymer

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene, Molded

### Material Notes:

TOTAL Petrochemicals Polypropylene M6823MZ is an isostatic form of copolymer polypropylene made via TOTAL Petrochemicals proprietary metallocene catalyst technology. Clarity. M6823MZ incorporates the latest generation of clarification technology resulting in excellent cycle time and superior performances in thin-wall, multi-cavity molds. FDA. M6823MZ complies with FDA regulations Title 21 CFR Section 177.1520 (c) 3.1 and may be used under these provisions for food contact and packaging. Recommended Applications. M6823MZ is a medium molecular weight material recommended for injection molding. However, due to its unique and interesting properties, other applications may exist. Information provided by Total Petrochemicals.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Total-PPC-M6823MZ-Metallocene-Isostatic-Propylene-Polymer.php](http://www.lookpolymers.com/polymer_Total-PPC-M6823MZ-Metallocene-Isostatic-Propylene-Polymer.php)

Physical Properties	Metric	English	Comments
Melt Flow	30 g/10 min	30 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	29.0 MPa	4210 psi	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Tensile Modulus	1.24 GPa	180 ksi	ASTM D638
Flexural Modulus	1.19 GPa	173 ksi	ASTM D790
Izod Impact, Notched	0.370 J/cm	0.693 ft-lb/in	ASTM D256
Impact Test	16.5 J @Thickness 3.17 mm	12.2 ft-lb @Thickness 0.125 in	Drop Impact; API

Thermal Properties	Metric	English	Comments
Melting Point	136 °C	277 °F	DSC
Deflection Temperature at 0.46 MPa (66 psi)	89.0 °C	192 °F	ASTM D648

Optical Properties	Metric	English	Comments
Haze	6.0 % @Thickness 1.02 mm	6.0 % @Thickness 0.0400 in	ASTM D1003

Processing Properties	Metric	English	Comments
Processing Temperature	199 - 249 °C	390 - 480 °F	

Processing Properties

Metric

English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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