

**TATREN IM 45 54**

PP

MOL Petrochemicals Co. Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ISO Data</b>			
Melt flow index, MFI	<b>45</b>	g/10min	ISO 1133
Temperature	<b>230</b>	°C	-
Load	<b>2.16</b>	kg	-

Mechanical properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Tensile Modulus	<b>1800</b>	MPa	ISO 527
Yield stress	<b>29.5</b>	MPa	ISO 527
Yield strain	<b>4.5</b>	%	ISO 527
Flexural modulus, 23°C	<b>1750</b>	MPa	ISO 178
Izod notched impact strength, +23°C	<b>5.5</b>	kJ/m <sup>2</sup>	ISO 180/1A
Izod notched impact strength	<b>3.3</b>	kJ/m <sup>2</sup>	ISO 180/1A
Temperature	<b>-20</b>	°C	-
Rockwell hardness	<b>R 97</b>	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
<b>ISO Data</b>			
Temp. of deflection under load, 0.45 MPa	<b>104</b>	°C	ISO 75-1/-2

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	<b>190 - 250</b>	°C	-

**Characteristics****Processing**

Injection Molding, Coating

**Delivery form**

Pellets

**Special Characteristics**

Anti-static, High impact or impact modified

**Features**

High Crystallinity, Nucleated, Copolymer, Impact Copolymer

**Certifications**

Food contact, Food approval BfR, Food approval 1935/2004/EC, Food approval 10/2011, Food approval FDA 21 CFR

**Applications**

Automotive, Packaging, Toys

**Regional Availability**

Europe