

**Product Texts**

SABIC® PP RA12MN40 is a random copolymer medium ethylene modified, clarified and anti-static. It is typically used for injection moulding applications. Special characteristics are high stiffness, good transparency and high gloss. Typical applications are in housewares and thin walled packaging. Health, Safety and Food Contact regulations: Material Safety Data Sheets (MSDS) and Product Safety declarations are available on our Internet site <http://www.SABIC.com>. The product mentioned herein is in particular not tested and therefore not validated for use in pharmaceutical/ medical applications. This grade material is UL registered under File E111275 ([www.ul.com](http://www.ul.com)) / IMDS 80775790

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Tensile Modulus	<b>1000</b>	MPa	ISO 527
Yield stress	<b>27</b>	MPa	ISO 527
Yield strain	<b>13</b>	%	ISO 527
Charpy notched impact strength, +23°C	<b>5.5</b>	kJ/m <sup>2</sup>	ISO 179/1eA
Shore D hardness	<b>62</b>	-	ISO 7619-1

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ISO Data</b>			
Temp. of deflection under load, 1.80 MPa	<b>50</b>	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	<b>75</b>	°C	ISO 75-1/-2
Vicat softening temperature, A	<b>126</b>	°C	ISO 306
Vicat softening temperature, B	<b>68</b>	°C	ISO 306

**Characteristics****Special Characteristics**

Anti-static

**Certifications**

Food contact

**Features**

Copolymer