

**Network Polymers SMMA MS 100**

SMMA

LyondellBasell Industries

<b>Processing/Physical Characteristics</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Melt Flow Index, MFI	<b>0.4</b>	g/10min	ASTM D 1238
Temperature	<b>200</b>	°C	-
Load	<b>5</b>	kg	-
Mold Shrinkage, MD	<b>0.004</b>	mm/mm	ASTM D 955

<b>Mechanical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Tensile Modulus	<b>3454</b>	MPa	ASTM D 638
Tensile Strength at Break	<b>65.5</b>	MPa	ASTM D 638
Elongation at Break	<b>2.1</b>	%	ASTM D 638
Flexural Modulus	<b>3158</b>	MPa	ASTM D 790
Izod Impact notched, 1/8 in	<b>24.6</b>	J/m	ASTM D 256

<b>Thermal properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Vicat Temperature	<b>102</b>	°C	ASTM D 1525

<b>Optical properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
<b>ASTM Data</b>			
Light Transmittance	<b>89</b>	%	ASTM D 1003

<b>Other properties</b>	<b>Value</b>	<b>Unit</b>	<b>Test Standard</b>
Water Absorption, 24hr	<b>0.1</b>	%	ASTM D 570
Density	<b>1080</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Features**

Copolymer

**Regional Availability**

North America