

**Network Polymers SMMA MS 170**

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>9.6</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>ASTM Data</b>			
Tensile Strength	<b>28.6</b>	MPa	ASTM D 638
Elongation at Break	<b>54</b>	%	ASTM D 638
Flexural Modulus	<b>1862</b>	MPa	ASTM D 790
Shore D Hardness	<b>72</b>	-	ASTM D 2240
Izod Impact notched, 1/8 in	<b>26.7</b>	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ASTM Data</b>			
DTUL @ 66 psi	<b>82.8</b>	°C	ASTM D 648
DTUL @ 264 psi	<b>67.2</b>	°C	ASTM D 648
Vicat Temperature	<b>96.1</b>	°C	ASTM D 1525
<b>Optical properties</b>			
<b>ASTM Data</b>			
Light Transmittance	<b>89</b>	%	ASTM D 1003
<b>Other properties</b>			
Density	<b>1030</b>	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Regional Availability**

North America