

**Technical Data Sheet****Purell PE 2420 F**

Low Density Polyethylene

**Product Description**

*Purell* PE 2420F is a high purity low density polyethylene with good processability, good opticals and good chemical resistance. It is delivered in pellet form.

The grade is used by our customers for films for healthcare applications including packaging of pharmaceuticals.

<b>Application</b>	Bags & Pouches; Blow-Fill-Seal Applications; Healthcare Applications; Medical Devices; Medical Film; Secondary Packaging
<b>Market</b>	Flexible Packaging; Healthcare; Rigid Packaging
<b>Processing Method</b>	Blow, Fill, & Seal; Blown Film; Extrusion Blow Molding; Injection Blow Molding
<b>Attribute</b>	Ethylene Oxide Sterilisation; Good Heat Seal; Good Optical Properties; Good Processability; High Purity; Low Gel

<b>Typical Properties</b>	<b>Nominal Value</b>	<b>Units</b>	<b>Test Method</b>
<b>Physical</b>			
Melt Flow Rate, (190 °C/2.16 kg)	0.75	g/10 min	ISO 1133-1
Density	0.923	g/cm <sup>3</sup>	ISO 1183-1
<b>Mechanical</b>			
Tensile Modulus	260	MPa	ISO 527-1, -2
Tensile Stress at Yield	11	MPa	ISO 527-1, -2
<b>Film</b>			
Tensile Strength			
MD	26	MPa	ISO 527-1, -3
TD	20	MPa	ISO 527-1, -3
Tensile Strain at Break			
MD	300	%	ISO 527-1, -3
TD	600	%	ISO 527-1, -3
<b>Hardness</b>			
Shore Hardness, (Shore D)	48		ISO 868
Ball Indentation Hardness, (H 49/30)	18.0	MPa	ISO 2039-1
<b>Thermal</b>			
Vicat Softening Temperature, (A/50)	96	°C	ISO 306
Peak Melting Point	111	°C	ISO 11357-3