

Technical Data Sheet

Purell PE 3020K

Low Density Polyethylene

Product Description

Purell PE 3020K is a non-additivated, low density polyethylene with high rigidity, 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.

Application	Caps & Closures (Healthcare); Healthcare Applications; Medical Devices; Medical Film
Market	Flexible Packaging; Healthcare; Rigid Packaging
Processing Method	Blown Film; Cast Film; Injection Molding
Attribute	Good Heat Seal; Good Optical Properties; Good Processability; Good Stiffness

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	4	g/10 min	ISO 1133-1
Density	0.928	g/cm ³	ISO 1183-1
Mechanical			
Tensile Modulus	300	MPa	ISO 527-1, -2
Tensile Stress at Yield	13	MPa	ISO 527-1, -2
Film			
Dart Drop Impact Strength	90	g	ASTM D1709
Tensile Strength			
MD	20	MPa	ISO 527-1, -3
TD	17	MPa	ISO 527-1, -3
Tensile Strain at Break			
MD	350	%	ISO 527-1, -3
TD	600	%	ISO 527-1, -3
Thermal			
Vicat Softening Temperature, (A/50)	97	°C	ISO 306
Peak Melting Point	114	°C	ISO 11357-3
Optical			
Haze, (50 µm)	<7	%	ASTM D1003
Gloss			
(20°, 50 µm)	>80		ASTM D2457
(60°, 50 µm)	>115		ASTM D2457