

SABIC® HP2022JN

HP2022JN is a Low Density Polyethylene grade suitable for general-purpose packaging. They exhibit better draw down, good optical and mechanical properties. HP2022JN contains slip and antiblock additives.

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM D1505

Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
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Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	11.0 MPa	1600 psi	ASTM D882

Film Tensile Strength at Yield, TD	11.0 MPa	1600 psi	ASTM D882
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Film Elongation at Break, MD	120 %	120 %	ASTM D882
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Film Elongation at Break, TD	530 %	530 %	ASTM D882
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Elmendorf Tear Strength, MD	18.0 g/micron	457 g/mil	ASTM D1922
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Elmendorf Tear Strength, TD	4.00 g/micron	102 g/mil	ASTM D1922
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Dart Drop	2.00 g/micron	50.8 g/mil	ASTM D1709
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Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	ASTM D882
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Film Tensile Strength at Break, TD	15.0 MPa	2180 psi	ASTM D882
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1% Secant Modulus, MD	180 MPa	26100 psi	ASTM D882
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1% Secant Modulus, TD	230 MPa	33400 psi	ASTM D882
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Thermal Properties	Metric	English	Comments
Vicat Softening Point	92.0 °C	198 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	10 % @Thickness 0.0300 mm	10 % @Thickness 0.00118 in	2.5 BUR using 100% HP2022JN.; ASTM D1003

Gloss	55 %	55 %	45°; ASTM D2457
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Descriptive Properties	
Anti block agent	True

Slip agent	True
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