

SABIC SABIC[®] HP0823JN

HP0823JN is a Low Density Polyethylene grade formulated with slip and antiblock additives. It typically exhibits good melt strength with good draw down ability. Films typically exhibit good toughness and good biaxial shrink properties
Information provided by SABIC

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1505
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 190 °C	0.80 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238
Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	12.0 MPa	1740 psi	ASTM D882
Film Tensile Strength at Yield, TD	12.0 MPa	1740 psi	ASTM D882
Film Elongation at Break, MD	240 %	240 %	ASTM D882
Film Elongation at Break, TD	650 %	650 %	ASTM D882
Elmendorf Tear Strength, MD	10.0 g/micron	254 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	6.00 g/micron	152 g/mil	ASTM D1922
Dart Drop	2.00 g/micron	50.8 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	29.0 MPa	4210 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 psi	ASTM D882
1% Secant Modulus, MD	208 MPa	30200 psi	ASTM D882
1% Secant Modulus, TD	210 MPa	30500 psi	ASTM D882
Thermal Properties	Metric	English	Comments
Vicat Softening Point	95.0 °C	203 °F	ASTM D1525
Optical Properties	Metric	English	Comments
Haze	10 % @Thickness 0.0500 mm	10 % @Thickness 0.00197 in	2.5 BUR using 100% HP0823JN.; ASTM D1003
Gloss	55 %	55 %	45°; ASTM D2457
Descriptive Properties			
Anti block agent		True	
Slip agent		True	