

Borouge[®] RD208CF

RD208CF is a random copolymer. This grade is suitable for the manufacturing of unoriented films on chill roll processes. This grade is suitable for the manufacturing of unoriented films on chill roll processes. RD208CF is recommended for food packaging, high quality stationery film, lamination films, textile packaging film, sealing layer in coextrusion. Former trade name for this product was BorPure™.

Information provided by Borealis AG

Physical Properties	Metric	English	Comments
Density	0.900 - 0.910 g/cc	0.0325 - 0.0329 lb/in ³	ISO 1183
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ISO 1133
Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	550 - 750 %	550 - 750 %	ISO 527-3
Tensile Modulus	0.350 - 0.450 GPa	50.8 - 65.3 ksi	MD/TD; ISO 527-3
Flexural Modulus	0.650 GPa	94.3 ksi	ISO 178
Dart Drop, Total Energy	23.0 J @Thickness 0.0500 mm	17.0 ft-lb @Thickness 0.00197 in	1180 N; ISO 7765-2
Coefficient of Friction	>= 0.50	>= 0.50	film to film; ISO 8295
Film Tensile Strength at Break, MD	30.0 - 50.0 MPa	4350 - 7250 psi	ISO 527-3
Film Tensile Strength at Break, TD	25.0 - 45.0 MPa	3630 - 6530 psi	ISO 527-3
Thermal Properties	Metric	English	Comments
Melting Point	138 - 142 °C	280 - 288 °F	DSC; ISO 3146
Vicat Softening Point	122 °C @Load 1.02 kg	252 °F @Load 2.25 lb	A50; ISO 306
Optical Properties	Metric	English	Comments
Haze	<= 1.8 %	<= 1.8 %	ASTM D1003
Gloss	>= 120 %	>= 120 %	20° of arc; ASTM D2457