

Technical Datasheet

- **Grade Name:** Modiran 2100
- **Categories:** Polymer, Thermoplastic, Polyethylene, Low Density Polyethylene
- **Processing Methods:** Film
- **Applications:** Shrink hoods, Industrial sacks, Heavy duty carrier bags and liners

Physical Properties			
Properties	Value	Unit	Test Method
MFI (190°C/2.16 Kg)	0.3	dg/10min	ISO 1133
Density	0.921	g/cm ³	ISO 1183
Mechanical Properties			
Properties	Value	Unit	Test Method
Tear Strength TD	25	kN/m	ISO 6383-2
Tear Strength MD	20	kN/m	ISO 6383-2
Dart Drop Impact Strength	35	KJ/m	ASTM D4272
Elongation at Break, MD	>200	%	ISO 527
Elongation at Break, TD	>500	%	ISO 527
Modulus of elasticity, MD	180	MPa	ISO 527
Modulus of elasticity, TD	190	MPa	ISO 527
Tensile Strength, MD	29	MPa	ISO 527
Tensile Strength, TD	26	MPa	ISO 527
Tensile Stress at Yield, MD	12	MPa	ISO 527
Tensile Stress at Yield, TD	11	MPa	ISO 527
Coefficient of friction	0.7	-	ASTM D 1894
Optical Properties			
Properties	Value	Unit	Test Method
Gloss (45°C)	39 ± 5	%	ASTM D2457
Haze	15	%	ASTM D1003

Typical Properties: These values are not to be considered as product specifications.

