

Hanwha LD965 for Extrusion Coating

PO Tech Center



Hanwha Solutions

Physical Properties

HANWHA LDPE 965 is manufactured by autoclave process and designed for variety of extrusion coating application such as flexible packaging, paper and tarpaulin coating etc. LDPE 965 is well known for its excellent neck-in, draw-down and high quality assurance. This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 2.1.

■ Outstanding Properties

Excellent Drawability
Very Small Neck-in
Excellent Heat Sealability

■ Processing Conditions

Cylinder: 200 ~ 320°C
Adapter/Head: 320°C
T-Dies: 320 ~ 330°C

■ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	7.2
Density	g/cm ³	ASTM D1505	0.918
Vicat Softening Point	°C	ASTM D1525	85
Melting Point	°C	ASTM D3417	106
Tensile Strength at Yield	kg/cm ²	ASTM D638	95
Tensile Strength at Break	kg/cm ²	ASTM D638	100
Elongation at Break	%	ASTM D638	450
Brittleness Temperature, F ₀	°C	ASTM D746	<-76
Allowable Coating Speed	m/min.	-	<500

1. These are typical properties : not to be construed as specification.
2. The value for this property is dependent on part geometry and fabrication conditions.

Extrusion Coating Processability

HANWHA LDPE 965 has excellent neck-in property, draw-down and high quality assurance.
It has similar coating processing properties to maker D and Q products

Item	Unit	LD955	LD965	Maker D	Maker Q
MI(Melt Index)	g/10分	7.7	7.2	8.0	8.0
Density	g/cm ³	0.919	0.918	0.918	0.918
Melting Point	℃	107	106	107	105
Neck-in(@150mpm)	cm	6.8	7.3	7.2	7.8
Draw-ability	m/min	<300	<500	<500	<500