

HANWHA

Low Density Polyethylene

303

Extrusion Foam Grade

MELT INDEX 6.0
DENSITY 0.919

HANWHA LDPE 303 is manufactured by autoclave process and designed for variety of extrusion foam application such as mat, cushioning package etc.. LDPE 303 is well known for its excellent processing characteristics and high quality assurance.

This product complies with U.S. FDA regulation 21 CFR 177.1520 (c) 2.1.

▣ Outstanding Properties

Good Processability
High Melt Strength
Softness and Good Cushining Properties

▣ Processing Conditions

Melt Temperature : 170 ~ 210 °C

▣ Additives

Antioxidant, Slip agent, Antiblocking agent

▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	6
Density	g/cm ³	ASTM D1505	0.919
Vicat Softening Point	°C	ASTM D1525	88
Melting Point	°C	DSC Method	106
Tensile Strength at Yield	kg/cm ²	ASTM D638	90
Tensile Strength at Break	kg/cm ²	ASTM D638	>100
Elongation at Break	%	ASTM D638	>450
Brittleness Temperature, F ₀	°C	ASTM D746	<-76
Hardness	Shore D	ASTM D1706	46

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.

