

HANWHA

Low Density Polyethylene

5322

Extrusion Foam Grade

MELT INDEX 3.6
DENSITY 0.921

HANWHA LDPE 5322 is manufactured by tubular process and designed for variety of extrusion foam application such as mat, cushioning package etc.. LDPE 5322 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
Good Mechanical Strength
Softness and Good Cushining Properties

▣ Processing Conditions

Melt Temperature : 170 ~ 210 °C

▣ Additives

Antioxidant, Slip agent

▣ Physical Properties

Physical Properties	Unit	Test Method	Value
Melt Index	g/10min	ASTM D1238	3.6
Density	g/cm ³	ASTM D1505	0.921
Vicat Softening Point	°C	ASTM D1525	88
Melting Point	°C	DSC Method	109
Tensile Strength at Yield	kg/cm ²	ASTM D638	110
Tensile Strength at Break	kg/cm ²	ASTM D638	130
Elongation at Break	%	ASTM D638	600
Brittleness Temperature, F ₀	°C	ASTM D746	<-76
Hardness	Shore D	ASTM D1706	48

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.

