

HANWHA LDPE 303

Low Density Polyethylene

Hanwha Chemical

Message:

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.

General Information	
Additive	Antiblock Antioxidant Slip
Features	Antiblocking Antioxidant Foamable Good Melt Strength Good Processability Slip
Uses	Foam Packaging
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1
Forms	Pellets
Processing Method	Extrusion Foam Processing

Physical	Nominal Value	Unit	Test Method
Density	0.919	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	46		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	8.83	MPa	
Break	> 9.81	MPa	
Tensile Elongation (Break)	> 450	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	88.0	°C	ASTM D1525

Melting Temperature	106	°C	DSC
Extrusion	Nominal Value	Unit	
Melt Temperature	170 to 210	°C	

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