

HANWHA LDPE 737

Low Density Polyethylene

Hanwha Chemical

Message:

HANWHA LDPE 737 is manufactured by autoclave process and designed for variety of injection molding application such as houseware, toys etc. LDPE 737 is well known for its excellent processing characteristics and high quality assurance.

General Information			
Features	Additive Free		
	Good Processability		
	High Clarity		
	High Gloss		
Uses	Household Goods		
	Toys		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.915	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	22	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 3.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	44		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	8.83	MPa	
Break	> 8.34	MPa	
Tensile Elongation (Break)	> 400	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -62.0	°C	ASTM D746
Vicat Softening Temperature	82.0	°C	ASTM D1525
Melting Temperature	103	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	160 to 280	°C	
Mold Temperature	10.0 to 60.0	°C	
Injection Pressure	2.94 to 9.81	MPa	

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Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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