

HANWHA LLDPE 7635

Linear Low Density Polyethylene
Hanwha Chemical

Message:

HANWHA LLDPE 7635 is manufactured by Unipol process and designed for variety of injection molding application such as housewares, toys etc.. LLDPE 7635 is well known for its excellent processing characteristics and high quality assurance.

General Information			
Additive	Antioxidant		
Features	Antioxidant		
	Good Processability		
	High ESCR (Stress Crack Resist.)		
Uses	Household Goods		
	Toys		
Agency Ratings	FDA 21 CFR 177.1520(c) 2.1		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.924	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.0 to 3.0	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	53		ASTM D1706
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield	10.8	MPa	
Break	11.0	MPa	
Tensile Elongation (Break)	650	%	ASTM D638
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	95.0	°C	ASTM D1525
Melting Temperature	124	°C	DSC
Injection	Nominal Value	Unit	
Processing (Melt) Temp	180 to 300	°C	
Mold Temperature	10.0 to 60.0	°C	
Injection Pressure	2.94 to 14.7	MPa	

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Recommended distributors for this material

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