

HANWHA 7600

High Density Polyethylene

Hanwha Chemical

Message:

HANWHA HDPE 7600 is manufactured by Spherilene process and designed for variety of injection application such as silicon cartridges, pails and pallets. HDPE 7600 has well balanced property of mechanical property and processability.

Excellent Processability

Good Mechanical Property

General Information			
Additive	Antioxidation		
Features	Antioxidation		
	Workability, good		
Uses	Pallets		
	Barrel		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	0.960	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	56		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	33.3	MPa	ASTM D638
Tensile Elongation (Break)	170	%	ASTM D638
Flexural Modulus	926	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Unnotched Izod Impact	32	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	126	°C	ASTM D1525
Peak Melting Temperature	133	°C	ASTM D3418
Injection	Nominal Value	Unit	
Processing (Melt) Temp	200 - 280	°C	
Mold Temperature	10.0 - 60.0	°C	
Back Pressure	0.500 - 15.0	MPa	
Injection instructions			

Injection Pressure : up to maximumInjection Speed : depends on injection processShrinkage Range : 1.5~3 %

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Recommended distributors for this material

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