PRIMALENE WPP731

High Density Polyethylene

Southern Polymer, Inc.

Message:

An 11.0 melt index high density polyethylene
Applications:
General purpose molding
Extrusion
Features:
Narrow molecular weight distribution
FDA 21 CFR 177.1520

General Information			
Features	Food Contact Acceptable General Purpose High Density Narrow Molecular Weight Distribution		
Uses	Food Service Applications General Purpose Non-specific Food Applications		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Density	0.951	g/cm³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	65		ASTM D2240
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield)	25.5	MPa	ASTM D638
Tensile Elongation [2] (Break)	> 500	%	ASTM D638
Flexural Modulus - Tangent	1210	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact	50	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	77.0	°C	ASTM D648
Brittleness Temperature	< -75.0	°C	ASTM D746
Vicat Softening Temperature	128	°C	ASTM D1525
NOTE			
1.	51 mm/min		

2.	51 mm/min

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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