

PRIMALENE WPP820

High Density (HMW) Polyethylene

Southern Polymer, Inc.

Message:

A high molecular weight high density polyethylene

Applications:

- Drums
- Small engine fuel tanks
- Automotive and portable fuel tanks
- Containers
- Compression molding
- Food packaging
- Large part blow molding
- Thermoformed parts
- Heavy gauge sheet

Features: - Superior stress crack resistance
High impact strength
Outstanding melt strength
Excellent processability
FDA approved

General Information			
Features	Food Contact Acceptable		
	Good Melt Strength		
	Good Processability		
	High Density		
	High ESCR (Stress Crack Resist.)		
	High Impact Resistance		
	High Molecular Weight		
Uses	Automotive Applications		
	Blow Molding Applications		
	Containers		
	Drums		
	Food Packaging		
	Food Service Applications		
	Fuel Tanks		
	Non-specific Food Applications		
	Sheet		
	Thermoforming Applications		
Agency Ratings		FDA Food Contact, Unspecified Rating	
Physical	Nominal Value	Unit	Test Method
Density	0.946	g/cm ³	ASTM D4883

Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	< 0.10	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal)	> 1000	hr	ASTM D1693A
Melt Flow - High Load ¹	5.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638
Tensile Elongation (Break)	1100	%	ASTM D638
Flexural Modulus - Tangent	1030	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Tensile Impact Strength (23°C)	420	kJ/m ²	ASTM D1822
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.1	°C	ASTM D746
Vicat Softening Temperature	127	°C	ASTM D1525
NOTE			

1. Condition: 190°C/21.6 kg

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

