

CERTENE™ HWF-1157A

High Density Polyethylene
Muehlstein

Message:

HWF-1157A is a certified prime High Molecular Weight, Butene copolymer with a broad Molecular Weight Distribution. It is developed for blown films requiring low gel levels, excellent stiffness, good impact resistance and excellent bubble stability. HWF-1157A applications include inliners, grocery and retail bags, lamination films, labels, artificial paper, and heavy duty bags. Suggested melt temperature 200 to 225°C. HWF-1157A contains no slip and no antiblock. HWF-1157A complies with FDA regulation 21CFR 177.1520(c) 3.2a, and most international regulations concerning the use of Polyethylene in contact with food articles.

| General Information | | | |
|------------------------------|--|-------------------|-------------|
| Features | Low speed solidification crystal point | | |
| | Butene comonomer | | |
| | Rigidity, high | | |
| | High molecular weight | | |
| | Copolymer | | |
| | Impact resistance, good | | |
| | Wide molecular weight distribution | | |
| | Compliance of Food Exposure | | |
| Uses | Films | | |
| | Laminate | | |
| | Lining | | |
| | Bags | | |
| | Food packaging | | |
| Agency Ratings | FDA 21 CFR 177.1520(c) 3.2a | | |
| Forms | Particle | | |
| Processing Method | Blow film | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.957 | g/cm ³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) | | | ASTM D1238 |
| 190°C/21.6 kg | 11 | g/10 min | ASTM D1238 |
| 190°C/5.0 kg | 0.35 | g/10 min | ASTM D1238 |
| Hardness | Nominal Value | Unit | Test Method |
| Durometer Hardness (Shore D) | 62 | | ISO 868 |
| Films | Nominal Value | Unit | Test Method |
| Film Thickness - Tested | 20 | µm | |
| Tensile Stress | | | ISO 527-3 |
| MD: Yield, 20 µm | 50.0 | MPa | ISO 527-3 |
| TD: Yield, 20 µm | 45.0 | MPa | ISO 527-3 |

| | | | |
|--|---------------|------|------------|
| Tensile Elongation | | | ISO 527-3 |
| MD: Break, 20 μm | 400 | % | ISO 527-3 |
| TD: Break, 20 μm | 450 | % | ISO 527-3 |
| Dart Drop Impact ¹ (20 μm) | 240 | g | ISO 7765-1 |
| Trouser Tear Resistance | | | ISO 6383-2 |
| MD : 20 μm | 200 | N/mm | ISO 6383-2 |
| TD : 20 μm | 450 | N/mm | ISO 6383-2 |
| Additional Information | | | |
| Film Specimen: 0.8 mil (20 μm) film, blow-up-ratio 4.0:1 | | | |
| Extrusion | Nominal Value | Unit | |
| Melt Temperature | 200 - 225 | °C | |
| NOTE | | | |
| 1. | F50 | | |

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

