

LG Chemical SEETEC PF150 HDPE

Category : Polymer , Thermoplastic , Polyethylene (PE) , HDPE

Material Notes:

Features: Characteristics: Good impact & tear strength, High speed & superior heat sealing properties
Additives: Anti-oxidants, Lubricants
Application: Shopping bags, Thin films, Trash bags, Multiwall bag liners, Polygloves
CAS No. 25213-02-9
Information provided by LG Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_LG-Chemical-SEETEC-PF150-HDPE.php

| Physical Properties | Metric | English | Comments |
|---------------------------------------|---|---|-----------------|
| Specific Gravity | 0.944 - 0.947 g/cc | 0.944 - 0.947 g/cc | ASTM D1505 |
| Environmental Stress Crack Resistance | >= 500 hour | >= 500 hour | F50; ASTM D1693 |
| Melt Flow | 0.15 - 0.20 g/10 min @Load 2.16 kg, Temperature 190 Â°C | 0.15 - 0.20 g/10 min @Load 4.76 lb, Temperature 374 Â°F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|------------------------------|--------------------------------|---------------------------------|----------------------|
| Hardness, Rockwell R | 55 | 55 | ASTM D785 |
| Tensile Strength, Yield | 17.7 MPa | 2560 psi | 50 mm/min; ASTM D638 |
| Film Elongation at Break, MD | 500 % @Thickness 0.0250 mm | 500 % @Thickness 0.000984 in | ASTM D882 |
| Film Elongation at Break, TD | 650 % @Thickness 0.0250 mm | 650 % @Thickness 0.000984 in | ASTM D882 |
| Elongation at Break | >= 500 % @Thickness 50.0 mm | >= 500 % @Thickness 1.97 in | ASTM D638 |
| Flexural Modulus | 1.18 GPa | 171 ksi | ASTM D790 |
| Elmendorf Tear Strength MD | 20 g @Thickness 0.0250 mm | 20 g @Thickness 0.000984 in | ASTM D1922 |
| Elmendorf Tear Strength TD | 200 g @Thickness 0.0250 mm | 200 g @Thickness 0.000984 in | ASTM D1922 |
| Dart Drop Test | 120 g | 0.265 lb | ASTM D1709 |

| Mechanical Properties | Metric Pa | English | Comments |
|------------------------------------|----------------------------------|------------------------------------|-----------|
| Film Tensile Strength at Break, MD | @Thickness 0.0250 mm | @Thickness 0.000984 in | ASTM D882 |
| Film Tensile Strength at Break, TD | 55.9 MPa @Thickness 0.0250 mm | 8110 psi @Thickness 0.000984 in | ASTM D882 |

| Thermal Properties | Metric | English | Comments |
|-----------------------|---------|---------|-----------------------|
| Melting Point | 135 Â°C | 275 Â°F | 10Â°C/min; ASTM D3418 |
| Vicat Softening Point | 126 Â°C | 259 Â°F | ASTM D1525 |

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China