

Total XSene® HD55110 High Density Polyethylene - Blown Film

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , HDPE , High Density Polyethylene (HDPE), Film Grade

Material Notes:

HDPE HD55110 is a bimodal high density polyethylene with a particular molecular design developed with Total Petrochemicals Double Loop Technology™. HDPE HD55110 has been especially designed for applications where high film properties can be obtained both in pure, in blend or in coextrusion films. HDPE HD55110 can be used in high neck extrusion as well as low neck extrusion and is dedicated to several applications such as food packaging, lamination films, carrier bags, pouches, industrial packaging and hygiene packaging. Very thin films can also be easily achieved (down to 10 microns). Information provided by Total Petrochemicals.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Total-XSene-HD55110-High-Density-Polyethylene-Blown-Film.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.955 g/cc	0.955 g/cc	ISO 1183
Thickness	>= 10.0 microns	>= 0.394 mil	
	12.0 microns	0.472 mil	for samples tested on this data sheet
Melt Flow	0.30 g/10 min	0.30 g/10 min	ISO 1133
	@Load 5.00 kg, Temperature 190 °C	@Load 11.0 lb, Temperature 374 °F	
	11 g/10 min	11 g/10 min	ISO 1133
	@Load 21.6 kg, Temperature 190 °C	@Load 47.6 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	39.0 MPa	5660 psi	ISO 527-3
Film Tensile Strength at Yield, TD	30.0 MPa	4350 psi	ISO 527-3
Film Elongation at Break, MD	308 %	308 %	ISO 527-3
Film Elongation at Break, TD	460 %	460 %	ISO 527-3
Elmendorf Tear Strength, MD	0.600 g/micron	15.2 g/mil	ISO 6383-2
Elmendorf Tear Strength, TD	4.60 g/micron	117 g/mil	ISO 6383-2
Dart Drop Test	170 g	0.375 lb	ISO 7765-1
Film Tensile Strength at Break, MD	64.0 MPa	9280 psi	ISO 527-3
Film Tensile Strength at Break, TD	54.0 MPa	7830 psi	ISO 527-3

Thermal Properties	Metric	English	Comments
Melting Point	132 °C	270 °F	ISO 11357
Vicat Softening Point	130 °C	266 °F	ISO 306

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 230 °C	356 - 446 °F	

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