CHEMATE TECHNOLOGY CO., LTD
Web: www.chemategroup.com
Email: sales@chemategroup.com
Whatsapp/Wechat: +86 186 2483 2876
ADD: NO.80 PUHUI ROAD,ZHENGZHOU CITY, HENAN PROVINCE, CHINA

Technical Data Sheet

| XUS 89770.00

Experimental Polyethylene Resin

Description

XUS 89770.00 Experimental Polyethylene Resin is specifically designed for high performance cast stretch wrap films. Films made of XUS 89770.00 Experimental Polyethylene Resin exhibit excellent stretchability and an excellent balance of processability and mechanical properties. XUS 89770.00 Experimental Polyethylene Resin is to be used as a core layer in coextruded cast film structures together with a cling resin for films in the thickness range of 10 and 35 micron..

Applications

Cast stretch wrap film

Technical Specification

Antiblock: No Slip: No Processing Aid: No

Properties	Typical value	Test method
Density	0.916g/cm³	ASTM D792
Melt index	4.0g/10min (190℃/2.16kg)	ASTM D1238
Peak melting temperature	112℃	DOW method
Tensile strength at yield MD	4.8 Mpa	ASTM D882
Tensile strength at yield TD	7.10 Mpa	ASTM D882
Tensile strength at break MD	31.0 Mpa	ASTM D882
Tensile strength at break TD	27.0 Mpa	ASTM D882
Elongation at break MD	420%	ASTM D882
Elongation at break TD	590%	ASTM D882
Secant modulus MD - 2% secant	93.0 Mpa	ASTM D882
Secant modulus TD - 2% secant	81.0 Mpa	ASTM D882

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Dart drop impact	1000g	ASTM D1709A
Elmendorf tear strength MD	150g	ASTM D1922
Elmendorf tear strength TD	330g	ASTM D1922
Film Puncture force	27N	DOW method
Film Puncture energy	1.9J	DOW method
Gloss (45℃)	91	ASTM D2457
Haze	0.7%	ASTM D1003

Extrusion Notes

Melt Temperature: 220-280℃)

Line Speed 250-600 m/min

Recommended Gauge Range: 10-60μm

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.