

SEETEC SP380



Resin Type Metallocene High Density Polyethylene · Monofilament & Flat Yarn

Application Rope, Nets, Tarpaulin, Woven bags(Inflation)

Description SEETEC SP380 is a high tenacity HDPE for monofilament and yarn productions. It was developed by using a new LG catalyst technology. The narrow molecular weight distribution allows to achieve high mechanical properties.

Properties	Test Method	Test Condition	Unit	Value
Physical				
Melt Index	ASTM D1238	190°C/2.16 kg	g/10 min.	0.6
Density	ASTM D1505	23°C	g/cm ³	0.955
Thermal				
Melting Temperature	ASTM D3418	10°C/min	°C	133
Vicat Softening Point	ASTM D1525	-	°C	127
Mechanical				
Tensile Strength at Yield	ASTM D638	50 mm/min.	kgf/cm ²	300
Tensile Strength at Break			kgf/cm ²	350
Elongation at Break			%	> 500
Flexural Modulus	ASTM D790	-	kgf/cm ²	13,500

* Typical resin property values measured on a standard compression molded specimens, conditioned at 23°C.

Recommendable Fabrication Conditions of Flat Yarn

Extruder Temperature	Cylinder Parts	°C	220 ~ 270
	Die Parts	°C	200 ~ 240
Stretching Ratio	Yarn (Blown & Cast Film)	-	8:1 ~ 10:1
	Monofilament	-	10:1 ~ 12:1

The data and information represented herein are intended as a general guide only and are not construed as specification limits. Since the actual processing conditions of our products may vary and are beyond our control, establishing satisfactory performance of the resin for the intended application is the customer's sole responsibility.



Head Office : NCC/PO Division, LG Chem, Ltd.
East Tower 23F, Yoido-dong, Youngdungpo-gu, Seoul 150-721, Korea
Tel. 82-2-3773-3274, Fax. 82-2-3773-3077
Tech Center : 84, Jang-dong, Yusong-gu, Taejon 305-343, Korea
Tel. 82-42-860-8289, Fax. 82-42-862-1318