



CO POLYMER

ZH510L

Product Description

Parlsen ZH 510L offers good flow properties, easy processing and high stiffness.

This grade is suitable for the production in film yarn industry for bags, but with slight decrease in the tensile strength compare to ZH 510L. This grade is not very suitable for heavy duty jumbo bag production.

Application

In addition to production of film yarn, ZH 510L is also widely used for injection Molding application, components for appliance, parts for the automotive industry, toys, and the garden furniture.

PROPERTIES	METHOD	UNIT	VALUE	TOLERANCE
Melt flow rate(230 ° C, 2,16 Kg)	ASTM D 1238	gr/10 min	6	41
Vicat softening point (9.8 N)	ASTM D 1525	° C	154	+4
H.D.T. (0.46 MPa)	ASTM D 648	° C	94	-L7
Flexural modulus	ASTM D 790	MPa	1550	+150
Tensile strength at yield	ASTM D 638	MPa	35	:t5
Elongation at yield	ASTM D 638	%] 2	-2
Tzod impact strength(notched) at 23° C	ASTM D 256	Jim	40	*4
Rockwell hardness [R – B Scale]	ASTM D 785	R – B	100	+20



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Property	Unit	Typical Value	Test Method
MFI	Dg/min	25	ISO 1133
Density	g/cm ³	0,9	ISO 1183
Flexural Modulus	N/mm ²	1550	ISO 178
Tensile	N/mm ²	35	ISO R 527
Elongation at Yield	%	13	ISO R 527
Izod Impact strength (notched) at 23 °C	Kj/m ²	3	ISO 180
Hardness Shore D	point	72	ISO 868
Vicat softening point (9.8 N)	°C	155	ISO 306/A
H.D.T (0.46 Mpa)	°C	118	ISO 75/B

SURIN