

Hostalen CRP 100 orange

High Density Polyethylene

LyondellBasell Industries

Message:

Hostalen CRP 100 orange is a high density polyethylene (HDPE), orange coloured similar RAL 1033 with high melt viscosity for extrusion and injection moulding. The product is classified as PE 100 and provides excellent stress crack resistance properties (ESCR) combined with very good long term hydrostatic strength.

It is not intended for medical and pharmaceutical applications.

General Information			
Features	High ESCR (Stress Cracking Resistance)		
	Viscosity, High		
Uses	Piping system		
Appearance	Orange		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	0.951	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
190°C/21.6 kg	6.4	g/10 min	ISO 1133
190°C/5.0 kg	0.23	g/10 min	ISO 1133
FNCT ¹ (80°C)	> 1.4	month	ISO 16770
Oxidation Induction Time (210°C)	> 30	min	ISO 11357-6
MRS Classification	10.0	MPa	ISO 9080

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 3 sec)	62		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1050	MPa	ISO 527-2
Tensile Stress (Yield, 23°C)	23.0	MPa	ISO 527-2/50
Tensile Strain (Yield, 23°C)	9.0	%	ISO 527-2/50

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-30°C	15	kJ/m ²	ISO 179
23°C	29	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	74.0	°C	ISO 306/B50

Injection	Nominal Value	Unit
Processing (Melt) Temp	190 - 220	°C

Injection instructions

Recommended injection moulding temperatures: 200-280 °C.

Extrusion	Nominal Value	Unit
Melt Temperature	190 - 220	°C

NOTE

1. 4.0 MPa, 2% Arkopal N 100

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

