



Hostalen CRP 100 orange

Polyethylene, High Density

Product Description

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.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, Asia-Pacific, Australia/NZ, Latin America
Typical Customer Applications	Gas Pipe

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.951	g/cm ³
Melt flow rate (MFR)	ISO 1133		
(190°C/21.6kg)		6.4	g/10 min
(190°C/5.0kg)		0.23	g/10 min
Mechanical			
Tensile Modulus (23 °C)	ISO 527-1, -2	1050	MPa
Tensile Stress at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	23	MPa
Tensile Strain at Yield (23 °C, v = 50 mm/min)	ISO 527-1, -2	9	%
FNCT (4.0 MPa, 2% Arkopal N 100, 80°C)	ISO 16770	≥ 1000	h
MRS classification	ISO 9080	10	MPa
Impact			
Charpy notched impact strength	ISO 179		
(-30 °C)		15	kJ/m ²
(23 °C)		29	kJ/m ²
Hardness			
Shore hardness (Shore D (3 sec))	ISO 868	62	
Thermal			
Vicat softening temperature B/50	ISO 306	74	°C
Oxidation induction time (OIT) (210°C)	ISO 11357-6 / EN 728	≥ 30	min

Additional Properties

Processing:
Recommended melt temperatures: 190-220 °C.
Recommended injection moulding temperatures: 200-280 °C.

Notes

Typical properties; not to be construed as specifications.