

Producer: JAM PETROCHEMICAL COMPANY / IRAN

HDPE HM CRP100N

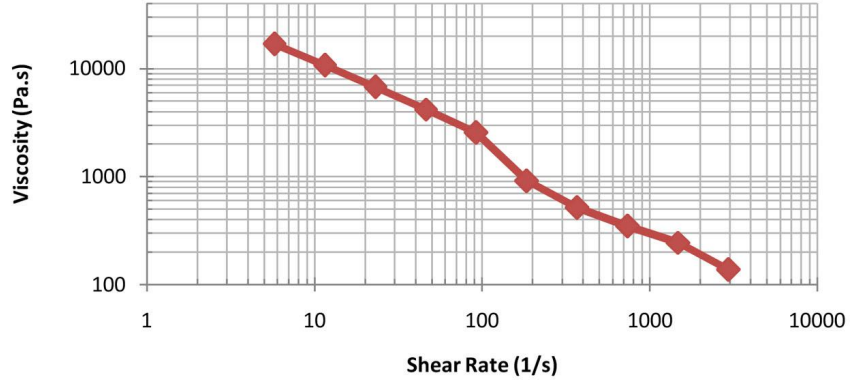
Product Description

HM-CRP100 N is a high density polyethylene with 1-Butene as co monomer. It is natural, outstanding ESCR, high impact strength, outstanding hydrostatic strength for PE 100 class

Typical Application

pipe extrusion PE 100 class, industrial and pressure pipe , gas pipe, drinking water pipe, relining , fittings

Viscosity-Shear @ 190 °C



PROPERTY	TEST	UNIT	VALUE
RESIN PROPERTIES			
Melt Index (21.6)	ISO 1133	g/10 min	6.2 ± 1.0
Melt Index (5)	ISO 1133	g/10 min	0.22 ± 0.03
FRR (21.6/5)			28 ± 3
Density	ISO 1183	g/cm ³	0.948 ± 0.002
MOLDED PROPERTIES			
Notched Impact @ 23 °C	ISO 179/1 eA	mJ/mm ²	24
MECHANICAL PROPERTIES			
Hydrostatic Strength (80 °C)	ISO 1167	h	5000(4.5 N/mm ²)

Processing Conditions

Recommended Extrusion temperature: 190-220 °C.

Recommended injection moulding temperature: 200-280 °C.



Storage and Handling. The material is packed in 25 kg bags or in bulk containers protecting it from contamination. Storage times of natural materials longer than 6 months may have a negative influence on the quality of the final product (for example the brightness). It is generally recommended to convert all materials latest within 6 months from the date of delivery.

The material is subjected to degradation by ultra-violet radiation or by high storage temperatures. Therefore the material must be protected from direct sunlight, temperatures above 40°C and high atmospheric humidity during storage. Further unfavourable storage conditions are large fluctuations in ambient temperature and high atmospheric humidity. These conditions may lead to moisture condensing inside the packaging. Under these circumstances, it is recommended to dry the material before use. Unfavourable storage conditions may also intensify the material's slight characteristic odour.