

# HM-CRP 100 N

## HDPE for Pipe Extrusion



شرکت پتروشیمی جم  
(سهامی عام)

Jam Petrochemical Company

JAM PETROCHEMICAL COMPANY  
P.O. Box : 75391-415,  
Special Pars Economic Enegy  
Zone, Assalouyeh, Islamic Republic of  
Iran  
Tel: 0098 772 7323221  
Fax: 0098 772 7323311  
Customer Technical Support  
Tel: 0098 772 7323074  
Tel: 0098 2188626490  
Fax: 0098 772 7323311  
Website: www.jpcomplex.com



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### 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

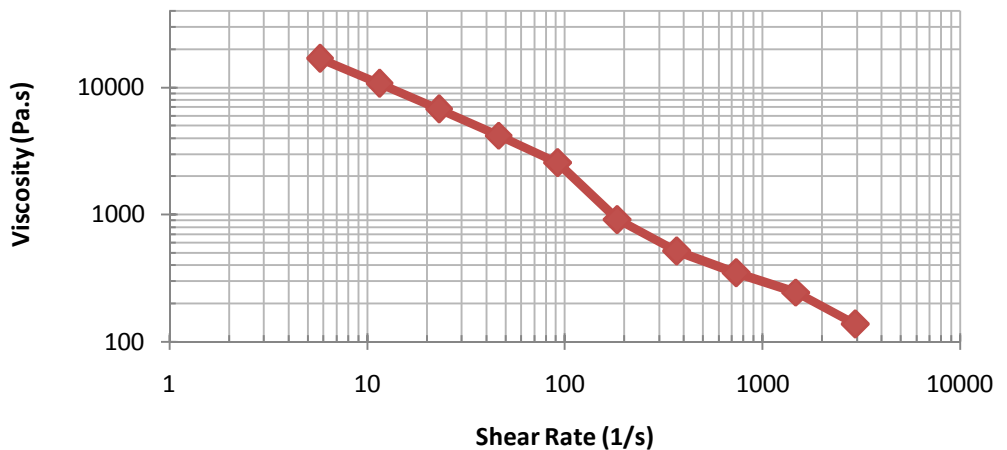
| Resin Properties             | Unit               | Value                        | Test Method  |
|------------------------------|--------------------|------------------------------|--------------|
| Melt Index (21.6)            | g/10 min           | 6.2 ± 1.0                    | ISO 1133     |
| Melt Index (5)               | g/10 min           | 0.22 ± 0.03                  | ISO 1133     |
| FRR (21.6/5)                 |                    | 28 ± 3                       |              |
| Density                      | g/cm <sup>3</sup>  | 0.948 ± 0.002                | ISO 1183     |
| Molded Properties            | Unit               | Value                        | Test Method  |
| Notched Impact @ 23 °C       | mJ/mm <sup>2</sup> | 24                           | ISO 179/1 eA |
| Mechanical Properties        | Unit               | Value                        | Test Method  |
| Hydrostatic Strength (80 °C) | h                  | 5000(4.5 N/mm <sup>2</sup> ) | ISO 1167     |

### Processing Conditions

Recommended Extrusion temperature: 190-220 °C.

Recommended injection moulding temperature: 200-280 °C.

### Viscosity-Shear @ 190 °C



The technical information suggested uses and application presented are believed to be accurate and reliable, however JPC makes no warranties either express or implied concerning the information herein or the use of our materials.

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**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.