

## PARACRYL 120 DF / Acrylic Processing Aid

### DESCRIPTION

PARACRYL 120 DF is a specially engineered as a "medium molecular weight" (IV 3.5 - 4) processing aid for enhanced process-ability of flexible and rigid vinyl compounds such as calendered sheets, blow moulded bottles, pipes, fittings and profiles. Its acrylic resin and dispersion system is tailored for excellent clarity/ transparency in all grades of vinyl stabilizing systems. In addition to faster fusion, 120 DF improves quality and surface finish of the product. It significantly shortens the fusion time, improves yield, results in higher melt strength and higher rupture stress while minimizing die swell. It is extensively tested for building products as well where good weather performance is critical.

### GENERAL BENEFITS

- Enhances processability under low shear conditions
- Provides excellent clarity / transparency in all grades of vinyl stabilizing systems
- Permits broader range of processing temperature.
- Shortens fusion time
- Improves melt elasticity
- Improves surface gloss, yields defect free surface
- Reduces plate-out and melt fracture
- Minimizes die swell

### TYPICAL APPLICATIONS

- Rigid and transparent films for packaging
- Calendered sheets
- Pipes, fittings, automotive trims
- Window profiles, sidings
- Blow moulded bottles

### PHYSICAL PROPERTIES

<b>Chemical Description</b>	: Acrylic copolymer
<b>Physical Form</b>	: White free-flowing powder
<b>Bulk Density (g/cm<sup>3</sup>)</b>	: 0.43 – 0.48
<b>Volatile content (wt %)</b>	: < 1 %
<b>Sieve Analysis</b>	: 20 mesh/850 μm (on %) - nil : 325 mesh/45 μm (pass %) - 1.31% : 450 mesh/32 μm (pass%) - 0.52%
<b>Molecular Weight</b>	: Medium molecular weight (IV 3.5-4)

### QUALITY CONTROL

HARYANA's products are based on intensive research, emphasizes on quality management, safety and environmental responsibilities, supported by ISO certificates.

ISO 9001:2015 for "Quality Management System"

ISO 14001: 2015 for "Environmental Management System"

### STORAGE AND HANDLING

Keep away from hot sunlight and rain, avoid contact with moisture. Store under shade and dry environment. Please consult the MSDS before handling and for additional information.

### PACKAGING

PARACRYL 120 DF is supplied in 20 kg HDPE bag.

### SHELF LIFE

Based on the conditions for storage, as mentioned above and in MSDS, it can be used with in 24 months from packing date.

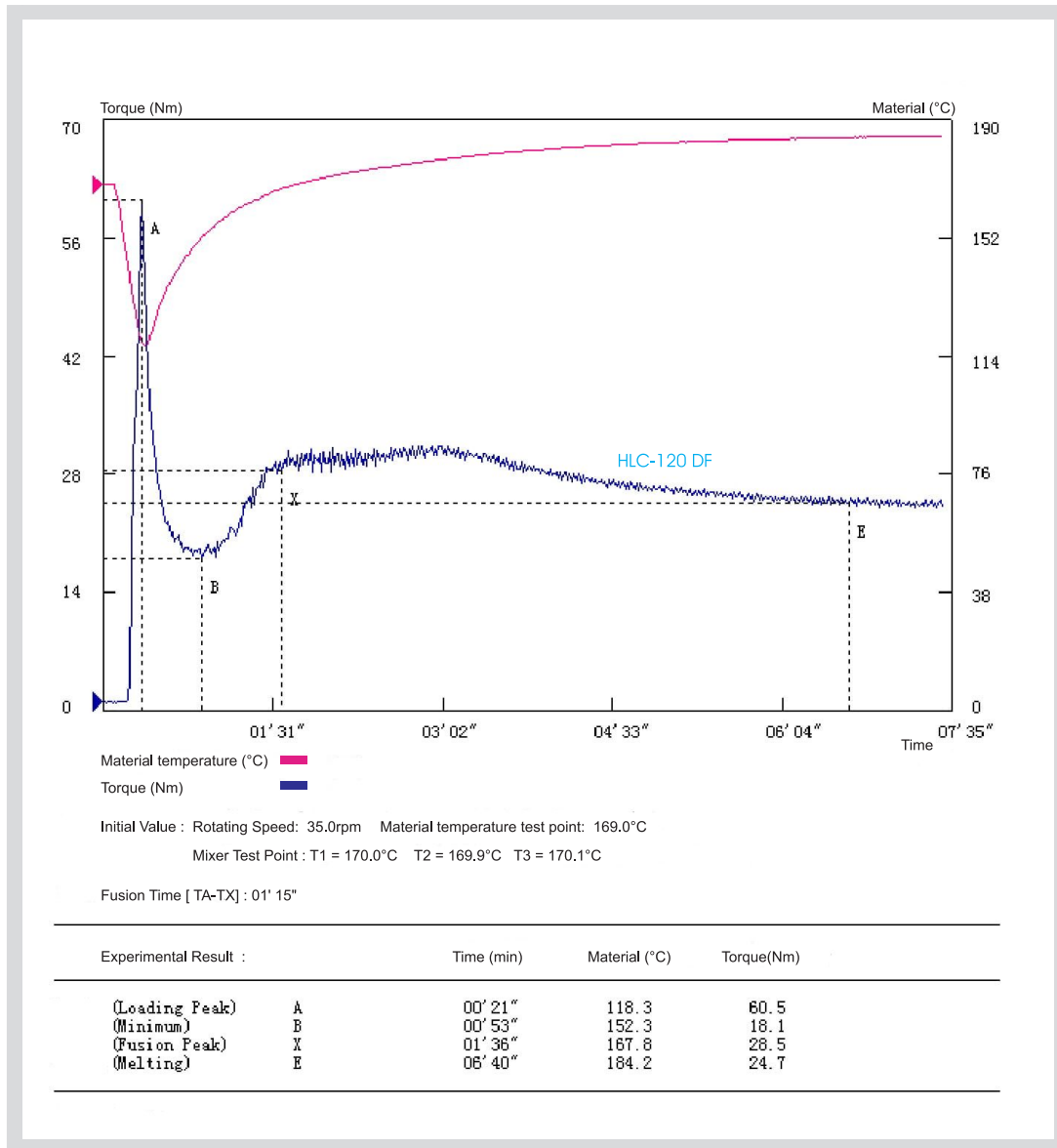
### REGULATORY INFORMATION

All regulations in the countries where our products are to be used must be observed. HARYANA will assume no responsibility for any consequences arising from failure to observe these regulations.

### HARMONIZED TARIFF CODE

39069020

Torque Rheometry of PARACRYL 120 DF



**CONTACT FOR ADDITIONAL INFORMATION**

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Plastics is not a villain  
Modern living can not escape the touch of plastics  
PVC window profiles, foam boards save trees.  
Innovations in plastics are helping to change lives.

**Disclaimer :** The data is based on our own assessment and experience and is only for guidance. This does not relieve the buyer from testing the products in their own set-up for determining the suitability for their purpose. Results may vary according to the local conditions & other products.