

# TOLEN H007 EX

Polypropylene Homopolymer  
SIBUR, LLC

Message:

PP H007 EX is a polypropylene homopolymer with standard molecular mass distribution. The product features low fluidity and a special stabilization package that ensures long-term operation of final products at high temperatures.

| General Information                                |                                      |                   |                              |
|--|--------------------------------------|-------------------|------------------------------|
| Features   | Good Stability                       |                   |                              |
|  | Homopolymer                          |                   |                              |
|  | Low Flow                             |                   |                              |
|  | Narrow Molecular Weight Distribution |                   |                              |
| Uses   | Fittings                             |                   |                              |
|  | Piping                               |                   |                              |
|  | Sheet                                |                   |                              |
|  | Strapping                            |                   |                              |
| Processing Method                                  | Extrusion                            |                   |                              |
|  | Injection Molding                    |                   |                              |
|  | Pipe Extrusion                       |                   |                              |
|  | Sheet Extrusion                      |                   |                              |
| Physical   | Nominal Value                        | Unit              | Test Method                  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)          | 0.70                                 | g/10 min          | Internal Method              |
| Mechanical   | Nominal Value                        | Unit              | Test Method                  |
| Tensile Stress <sup>1</sup> (Yield)                | 30.0                                 | MPa               | Internal Method              |
| Tensile Strain <sup>2</sup> (Yield)                | 10                                   | %                 | Internal Method              |
| Flexural Modulus <sup>3</sup>                      | 1500                                 | MPa               | Internal Method              |
| Impact   | Nominal Value                        | Unit              | Test Method                  |
| Notched Izod Impact Strength (23°C)                | 2.0                                  | kJ/m <sup>2</sup> | Internal Method              |
| Thermal  | Nominal Value                        | Unit              | Test Method                  |
| Heat Deflection Temperature (0.45 MPa, Unannealed) | 80.0                                 | °C                | Internal Method              |
| Vicat Softening Temperature                        | 155                                  | °C                | Internal Method <sup>4</sup> |
| NOTE   |                                      |                   |                              |
| 1.   | 50 mm/min                            |                   |                              |
| 2.   | 50 mm/min                            |                   |                              |
| 3.   | 5.0 mm/min                           |                   |                              |
| 4.   | A (10N)                              |                   |                              |

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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

