

## Technical Data Sheet

### Hostalen PP H5416K



Polypropylene, Random Copolymer

#### Product Description

Hostalen PP H5416K is a nucleated polypropylene random copolymer with high melt viscosity for extrusion, and high heat and extraction stability. Typical customer applications are industrial pipe, heating and cooling plumbing.

|                   |                                           |
|-------------------|-------------------------------------------|
| Application       | Industrial; Plumbing, Heating & Cooling   |
| Market            | Industrial, Building & Construction; Pipe |
| Processing Method | Pipe; Sheet                               |
| Attribute         | Antioxidant; Random Copolymer             |

| Typical Properties                                           | Nominal Value | Units             | Test Method |
|--------------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                              |               |                   |             |
| Melt Flow Rate, (230 °C/2.16 kg)                             | 0.3           | g/10 min          | ASTM D1238  |
| Density                                                      | 0.90          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                            |               |                   |             |
| Flexural Modulus                                             | 850           | MPa               | ASTM D790   |
| Tensile Strength at Yield                                    | 27            | MPa               | ASTM D638   |
| Tensile Elongation at Yield                                  | 10            | %                 | ASTM D638   |
| <b>Impact</b>                                                |               |                   |             |
| Notched Izod Impact Strength, (23 °C)                        | 230           | J/m               | ASTM D256   |
| <b>Thermal</b>                                               |               |                   |             |
| Vicat Softening Point                                        | 123           | °C                | ASTM D1525  |
| Deflection Temperature Under Load, (0.46 N/mm <sup>2</sup> ) | 83            | °C                | ASTM D648   |