

# FHR Polypropylene P9R2M-062

Polypropylene Random Copolymer

Flint Hills Resources, LP

Message:

DESCRIPTION: Specialty Random Copolymer  
FEATURES: Good clarity, High Toughness.  
APPLICATIONS: Designed for Blow molding and Thermoforming

| General Information                                      |                             |                   |             |
|----------------------------------------------------------|-----------------------------|-------------------|-------------|
| Features                                                 | Good Toughness              |                   |             |
|                                                          | High Clarity                |                   |             |
|                                                          | Random Copolymer            |                   |             |
|                                                          | Specialty Grade             |                   |             |
| Agency Ratings                                           | FDA 21 CFR 177.1520(c) 3.2a |                   |             |
|                                                          | FDA 21 CFR 177.1520(c) 3.2c |                   |             |
| Forms                                                    | Pellets                     |                   |             |
| Processing Method                                        | Blow Molding                |                   |             |
|                                                          | Thermoforming               |                   |             |
| Physical                                                 | Nominal Value               | Unit              | Test Method |
| Density                                                  | 0.900                       | g/cm <sup>3</sup> | ASTM D1505  |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                | 2.2                         | g/10 min          | ASTM D1238  |
| Hardness                                                 | Nominal Value               | Unit              | Test Method |
| Rockwell Hardness (R-Scale)                              | 62                          |                   | ASTM D785   |
| Mechanical                                               | Nominal Value               | Unit              | Test Method |
| Tensile Strength (Yield)                                 | 27.1                        | MPa               | ASTM D638   |
| Tensile Elongation (Yield)                               | 10                          | %                 | ASTM D638   |
| Flexural Modulus - Tangent                               | 1000                        | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value               | Unit              | Test Method |
| Notched Izod Impact (23°C)                               | 510                         | J/m               | ASTM D256   |
| Thermal                                                  | Nominal Value               | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 91.0                        | °C                | ASTM D648   |

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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

