

**DR155.01**
**Subgroup:**

Performance Random Copolymers

**Description:**

DR155.01 Performance Random Copolymer has been specifically developed for film extrusion applications. The polymer combines features like good processing, excellent mechanical property balance and high clarity.

**Applications:**

- Specialty film e.g. multilayer component
- Shrink film

**Process:**

- Blown film

| Physical                            | Nominal Value<br>(English) | Nominal Value (SI)      | Test Method |
|-------------------------------------|----------------------------|-------------------------|-------------|
| Density                             | 0.900 g/cm <sup>3</sup>    | 0.900 g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (230°C/2.16 kg) | 1.8 g/10 min               | 2.0 g/10 min            | ISO 1133    |

| Mechanical                          | Nominal Value<br>(English) | Nominal Value (SI) | Test Method |
|-------------------------------------|----------------------------|--------------------|-------------|
| Flexural Modulus (Injection Molded) | 131000 psi                 | 900 MPa            | ISO 178     |

| Impact                         | Nominal Value<br>(English) | Nominal Value (SI)   | Test Method |
|--------------------------------|----------------------------|----------------------|-------------|
| Charpy Notched Impact Strength |                            |                      | ISO 179/1eA |
| 73°F (23°C), Injection Molded  | 8.6 ft·lb/in <sup>2</sup>  | 18 kJ/m <sup>2</sup> |             |

| Optical                                     | Nominal Value<br>(English) | Nominal Value (SI) | Test Method |
|---------------------------------------------|----------------------------|--------------------|-------------|
| Haze (39.4 mil (1000 µm), Injection Molded) | 12 %                       | 12 %               | ASTM D1003  |

**Notes**

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

**Regulatory Information:**

DR155.01 Performance Polymer complies with:

- European Commission Regulation (EU) 10/2011
- U.S. FDA 21 CFR 177.1520(c) 3.1a

The appropriate regulations should be consulted for more detailed information.

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