

# POLYelast TPE EC88R

Polypropylene + EPDM Rubber

Polykemi AB

Message:

PP/EPDM

| General Information                                             |               |                   |             |
|-----------------------------------------------------------------|---------------|-------------------|-------------|
| Physical                                                        | Nominal Value | Unit              | Test Method |
| Density                                                         | 0.900         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                       | 3.0           | g/10 min          | ISO 1133    |
| Molding Shrinkage                                               |               |                   | ISO 294-4   |
| Across Flow                                                     | 0.90 to 1.1   | %                 |             |
| Flow                                                            | 0.90 to 1.1   | %                 |             |
| Hardness                                                        | Nominal Value | Unit              | Test Method |
| Durometer Hardness                                              |               |                   | ASTM D2240  |
| Shore A, 15 sec                                                 | 88            |                   |             |
| Shore D, 15 sec                                                 | 30            |                   |             |
| Mechanical                                                      | Nominal Value | Unit              | Test Method |
| Tensile Stress                                                  | 15.0          | MPa               | ISO 527-2   |
| Tensile Strain (Break)                                          | > 55          | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                                         | 450           | MPa               | ISO 178     |
| Impact                                                          | Nominal Value | Unit              | Test Method |
| Charpy Notched Impact Strength                                  |               |                   | ISO 179     |
| -20°C                                                           | No Break      |                   |             |
| 23°C                                                            | No Break      |                   |             |
| Thermal                                                         | Nominal Value | Unit              | Test Method |
| Heat Deflection Temperature <sup>1</sup> (0.45 MPa, Unannealed) | 56.0          | °C                | ISO 75-2/B  |
| NOTE                                                            |               |                   |             |
| 1.                                                              | 120°C/hr      |                   |             |

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