

# Polypropylene product finder

|                             | MFR<br>(230°C/2.16kg)<br>(g/10min)<br>ASTM D1238 | Flexural modulus 1% secant<br>(MPa)<br>at 1.3 mm/min<br>ASTM D790A<br>(MPa)<br>at 2.0 mm/min<br>ISO 178 |      | Notched Izod impact<br>(J/m)<br>at 23°C<br>ASTM D256A<br>(kJ/m²)<br>at 23°C<br>ISO 180/1A |     | Heat deflection temperature<br>(°C) at 66 psi<br>Unannealed<br>ASTM D648<br>(°C)<br>at 0.45 MPa<br>ISO 75-2/Bf |      |              |           |          |                    |
|-----------------------------|--|---|------|---|-----|--|------|--------------|-----------|----------|--------------------|
| Grades                      |  |   |      |   |     |  |      | Automotive   | Appliance | Nonwoven | Rigid<br>packaging |
| Achieve™ Advanced PP        | Typical values                                   |   |      |   |     |  |      | Applications |           |          |                    |
| Achieve Advanced PP7123KNE1 | 11   | 1570  | 1680 | 85  | 6.9 | 116  | 102  | ●            | ●         |          | ●                  |
| Achieve Advanced PP3684     | 13.5   | --  | --   | --  | --  | --   | --   |              |           | ●        |                    |
| Achieve Advanced PP3655E1   | 58   | --  | --   | --  | --  | --   | --   |              |           | ●        |                    |
| Achieve Advanced PP8285E1   | 30   | 993   | 1020 | No break  | 46  | 92.0   | 82.8 | ●            |           |          |                    |
| Achieve Advanced PP7985E1   | 65   | 1590  | 1610 | 60  | 6.1 | 118  | 108  | ●            |           |          |                    |
| Achieve Advanced PP7945E1   | 115  | --  | 1820 | --  | 5.1 | --   | 114  | ●            |           |          |                    |
| ExxonMobil™ PP              | Typical values                                   |   |      |   |     |  |      | Applications |           |          |                    |
| ExxonMobil PP7032E3         | 4.0  | 1210  | 1140 | No break  | 53  | 90.6   | 82.0 | ●            | ●         |          | ●                  |
| ExxonMobil PP7032KN         | 4.0  | 1380  | 1360 | No break  | 52  | 106  | 95.7 |              | ●         |          | ●                  |
| ExxonMobil PP7033E3         | 8.0  | 1140  | 1190 | 280   | 13  | 90.2   | 85.3 | ●            | ●         |          | ●                  |
| ExxonMobil PP7033N          | 8.0  | 1360  | 1260 | 210   | 13  | 100  | 91.5 | ●            | ●         |          | ●                  |
| ExxonMobil AP3N             | 10   | 1580  | 1570 | 110   | 9.4 | 111  | 101  | ●            | ●         |          |                    |
| ExxonMobil AP3AW            | 10   | 1410  | 1300 | 120   | 14  | 99.0   | 91.7 | ●            |           |          |                    |
| ExxonMobil AP03B            | 30   | 1380  | 1380 | 85  | 10  | 106  | 95.0 | ●            | ●         |          |                    |
| ExxonMobil PP3155E5         | 36   | --  | --   | --  | --  | --   | --   |              |           | ●        |                    |
| ExxonMobil PP7555KNE2       | 50   | 1340  | 1270 | 94  | 7.4 | 105  | 93.0 | ●            | ●         |          | ●                  |
| ExxonMobil PP7585E1         | 50   | 1220  | 1310 | 64  | 6.2 | --   | 89.3 | ●            |           |          |                    |
| ExxonMobil PP7935E1         | 60   | 1650  | 1660 | 44  | 5.6 | 121  | 108  | ●            |           |          |                    |

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