

# Baytec® ME-230 (65D)

Polyurethane (Polyether, MDI)

Covestro - PUR

## Message:

Baytec ME-230 is a modified diphenylmethane diisocyanate (MDI)-terminated polyether prepolymer based on polytetramethylene ether glycol (PTMEG).

| General Information  |                             |      |             |
|--|-----------------------------|------|-------------|
| Forms  | Liquid                      |      |             |
| Hardness   | Nominal Value               |      | Test Method |
| Durometer Hardness (Shore D)   | 65                          |      | ASTM D2240  |
| Mechanical   | Nominal Value               | Unit | Test Method |
| Taber Abrasion Resistance (1000 Cycles)  | 53.0                        | mg   | ASTM D3489  |
| Elastomers   | Nominal Value               | Unit | Test Method |
| Tensile Stress   |                             |      | ASTM D412   |
| 100% strain  | 21.5                        | MPa  | ASTM D412   |
| 200% strain  | 23.3                        | MPa  | ASTM D412   |
| 300% strain  | 25.9                        | MPa  | ASTM D412   |
| Tensile Strength (Break)   | 29.7                        | MPa  | ASTM D412   |
| Tensile Elongation (Break)   | 430                         | %    | ASTM D412   |
| Tear Strength  |                             |      |             |
| -- <sup>1</sup>  | 163                         | kN/m | ASTM D624   |
| Cracking   | 100                         | kN/m | ASTM D1938  |
| Compression Set (70°C, 22 hr)  | 36                          | %    | ASTM D395B  |
| Bayshore Resilience  | 59                          | %    | ASTM D2632  |
| Thermoset  | Nominal Value               |      |             |
| Thermoset Components   |                             |      |             |
| Part C <sup>2</sup>  | Mixing ratio by weight: 40  |      |             |
| Component a <sup>3</sup>   | Mixing ratio by weight: 180 |      |             |
| Component B <sup>4</sup>   | Mixing ratio by weight: 60  |      |             |
| Additional Information   |                             |      |             |
| Appearance: Colorless to pale yellow liquidNCO: 22.7 to 23.3 wt%Viscosity at 25°C: 300 mPa-sSpecific Gravity at 25°C: 1.14Flash Point, PMCC: >93°C<br>Density at 25°C: 9.5 lb/galMelt Point: 5 to 10°C |                             |      |             |
| NOTE   |                             |      |             |
| 1.   | C mould                     |      |             |
| 2.   | 1,4 Butone Diol             |      |             |
| 3.   | Isocyanate                  |      |             |
| 4.   | Polyol                      |      |             |

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