

# PHYSICAL PROPERTY DATA SHEET

*An Ordinary Company –  
Doing Extraordinary Things!*

**MATERIAL:** Ethelene Propylene 70 Durometer

**COMPOUND NUMBER:** EPDM70

**SPECIFICATIONS:** ASTM D2000 M4CA 710 A25 B35 C32 EA14 F19 G11 Z1, Z1: Compatibility

| <b>ORIGINAL PHYSICAL PROPERTIES</b> | <b>SPECS</b>       | <b>RESULTS</b> |
|-------------------------------------|--------------------|----------------|
| Hardness (Shore A), pts. ....       | 70 ± 5 .....       | 67             |
| Tensile Strength, Mpa.....          | 10 (1450) min..... | 13.79 (2000)   |
| Elongation, %.....                  | 200 min.....       | 285            |

## **A25 HEAT RESISTANCE, TEST METHOD D865, 70HRS @ 125°C**

|                                  |              |      |
|----------------------------------|--------------|------|
| Hardness change, pts.....        | +10 max..... | +7   |
| Tensile strength change, % ..... | -20 max..... | -1   |
| Elongation change, % .....       | -40 max..... | -2.9 |

## **B35 COMPRESSION SET, TEST METHOD D395 METHOD B, 22HRS @ 125°C**

|                               |              |     |
|-------------------------------|--------------|-----|
| % of Original Deflection..... | +70 max..... | +41 |
|-------------------------------|--------------|-----|

## **C32 OZONE RESISTANCE, TEST METHOD D1171, EXPOSURE METHOD B**

|       |            |      |
|-------|------------|------|
| ..... | Pass ..... | Pass |
|-------|------------|------|

## **EA14 WATER RESISTANCE, TEST METHOD D471, 70HRS @ 100°C**

|                        |           |    |
|------------------------|-----------|----|
| Volume Change, % ..... | ± 5 ..... | +2 |
|------------------------|-----------|----|

## **F19 LOW TEMPERATURE RESISTANCE, 3 MIN @ -55°C**

|                  |           |      |
|------------------|-----------|------|
| Nonbrittle ..... | pass..... | pass |
|------------------|-----------|------|

## **G11 TEAR RESISTANCE, TEST METHOD D624, DIE B**

|             |             |        |
|-------------|-------------|--------|
| KN/m, ..... | 26 min..... | (pass) |
|-------------|-------------|--------|

## **Z1 COMPATIBILITY, GLASS OR ACRYLIC**

|       |           |      |
|-------|-----------|------|
| ..... | pass..... | pass |
|-------|-----------|------|

The data shown here is intended as a guideline only. It is advisable to test under actual service conditions.