



## Appeel® 72D727

DuPont Packaging & Industrial Polymers - Ionomer

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### General Information

#### Product Description

DuPont™ Appeel® 72D727 is a blown or cast film resin designed to be a sealing layer to film or sheet lidding applications. It provides a peelable seal to a number of materials including HDPE, LLDPE, LDPE, EVA, and Ionomer.

Appeel® 72D727 is a modified ionomer polymer available in pellet form for use in conventional extrusion and coextrusion equipment designed to process polyethylene resins.

#### General

|                   |                                          |                             |                 |
|-------------------|------------------------------------------|-----------------------------|-----------------|
| Material Status   | • Experimental: Active                   |                             |                 |
| Availability      | • Africa & Middle East<br>• Asia Pacific | • Europe<br>• Latin America | • North America |
| Features          | • Food Contact Acceptable                |                             |                 |
| Uses              | • Lids                                   | • Sealants                  |                 |
| Agency Ratings    | • FDA 21 CFR 177.1330                    |                             |                 |
| Forms             | • Pellets                                |                             |                 |
| Processing Method | • Coextrusion                            | • Extrusion                 |                 |

### ASTM & ISO Properties <sup>1</sup>

| Physical                                  | Nominal Value | Unit              | Test Method |
|-------------------------------------------|---------------|-------------------|-------------|
| Density / Specific Gravity                | 0.942         |                   | ASTM D792   |
| Density                                   | 0.940         | g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (190°C/2.16 kg)       | 3.5           | g/10 min          | ASTM D1238  |
| Melt Mass-Flow Rate (MFR) (190°C/2.16 kg) | 3.5           | g/10 min          | ISO 1133    |
| Thermal                                   | Nominal Value | Unit              | Test Method |
| Vicat Softening Temperature               | 154           | °F                | ASTM D1525  |
| Vicat Softening Temperature               | 154           | °F                | ISO 306     |
| Peak Melting Temperature                  | 201           | °F                | ASTM D3418  |
| Melting Temperature (DSC)                 | 201           | °F                | ISO 3146    |

### Processing Information

| Extrusion             | Nominal Value | Unit |
|-----------------------|---------------|------|
| Cylinder Zone 1 Temp. | 284           | °F   |
| Cylinder Zone 2 Temp. | 302           | °F   |
| Cylinder Zone 3 Temp. | 320           | °F   |
| Cylinder Zone 4 Temp. | 356           | °F   |
| Cylinder Zone 5 Temp. | 356           | °F   |
| Adapter Temperature   | 356           | °F   |
| Melt Temperature      | 320 to 365    | °F   |
| Die Temperature       | 338           | °F   |

#### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.