

## Adstif HA843K

### Polypropylene, Homopolymer

#### Product Description

Adstif HA843K is a high stiffness homopolymer with high transparency, can be processed by extrusion. Typical Applications include thermoforming of drinking cups, multilayer trays and microwavable trays. Due to its high Heat Distortion Temperature, Adstif HA843K can be used in hot-filled applications.

#### Product Characteristics

|                                      |  |
|--------------------------------------|--|
| <b>Status</b>                        | Commercial: Deactivating                       |
| <b>Test Method used</b>              | ASTM   |
| <b>Availability</b>                  | Asia-Pacific, Australia/NZ, Africa-Middle East |
| <b>Processing Methods</b>            | Extrusion Thermoforming                        |
| <b>Features</b>                      | Homopolymer, High Stiffness                    |
| <b>Typical Customer Applications</b> | Clear Containers, Opaque Containers            |

| Typical Properties                                    | Method      | Value | Unit              |
|---|-------------|-------|-------------------|
| <b>Physical</b>                                       |             |       |                   |
| Density -Specific Gravity                             | ASTM D 792  | 0.90  | g/cm <sup>3</sup> |
| Melt Flow Rate (230°C/2.16kg)                         | ASTM D 1238 | 3.5   | g/10 min          |
| <b>Mechanical</b>                                     |             |       |                   |
| Flexural Modulus                                      | ASTM D 790  | 2100  | MPa               |
| Tensile Strength @ Yield                              | ASTM D 638  | 38    | MPa               |
| Tensile Elongation @ Yield                            | ASTM D 638  | 7     | %                 |
| <b>Impact</b>   |             |       |                   |
| Notched Izod Impact (23 °C)                           | ASTM D 256  | 25    | J/m               |
| <b>Thermal</b>  |             |       |                   |
| Heat deflection temperature at 0.46 N/mm <sup>2</sup> | ASTM D 648  | 115   | °C                |

#### Notes

Typical properties; not to be construed as specifications.

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- Equistar Chemicals, LP
- Basell Sales & Marketing Company B.V.
- Basell Asia Pacific Limited
- Basell International Trading FZE
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Users should review the applicable Material Safety Data Sheet before handling the product.

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Release Date: 29 Nov 2013