

Technical Data Sheet

*Adstif*HA612M

High Crystallinity Polypropylene

Product Description

*Adstif*HA612M is a high crystallinity medium fluidity polypropylene homopolymer. It does not contain slip or anti-blocking additives and it does not contain Calcium Stearate.

*Adstif*HA612M is typically used by customers for cast film applications where high rigidity and high temperature resistance are required. *Adstif*HA612M is used by customers for the production of coextruded twist wrapping, labels, lamination, metallize able film and textile packaging.

Films produced with *Adstif*HA612M have been reported by customers to exhibits very high stiffness..

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|--------------------------|--|
| Application | Food Packaging Film; Stationery Film; Twist Wrap Film |
| Market | Flexible Packaging |
| Processing Method | Cast Film; Double Bubble |
| Attribute | Broad Molecular Weight Distribution; Crystalline; High Rigidity; Homopolymer |

| Typical Properties | Nominal Value | Units | Test Method |
|---|---------------|-------------------|---------------|
| Physical | | | |
| Melt Flow Rate, (230 °C/2.16 kg) | 7.0 | g/10 min | ISO 1133-1 |
| Density | 0.90 | g/cm ³ | ISO 1183-1 |
| Mechanical | | | |
| Flexural Modulus | 1900 | MPa | ISO 178 |
| Tensile Stress at Break | 23 | MPa | ISO 527-1, -2 |
| Tensile Stress at Yield | 37 | MPa | ISO 527-1, -2 |
| Tensile Strain at Break | 100 | % | ISO 527-1, -2 |
| Tensile Strain at Yield | 8 | % | ISO 527-1, -2 |
| Thermal | | | |
| Vicat Softening Temperature, (A/50) | 160 | °C | ISO 306 |
| Heat Deflection Temperature B, (0.45 MPa, Unannealed) | 110 | °C | ISO 75B-1, -2 |