

Adstif HA620J HP

The high crystallinity grade optimized for recyclability



The new Adstif HA620J HP is a polypropylene (PP) non-phthalate homopolymer with low catalytic residue content that provides improved crystallinity and offers a better barrier against water vapor (WVTR) and oxygen (OTR) than the standard polypropylene homopolymers used in BOPP. Due to the low catalytic residues, it is used for the production of PBT cavitated BOPP film.

Adstif HA620J HP does not contain any slip and anti-blocking but contains a very little amount of Calcium Stearate. Despite the improved crystallinity, it delivers good processability on conventional sequential or simultaneous biaxially orienting BOPP lines.

Product Benefits

- Improved barrier properties, e.g. WVTR can be reduced by approx. 25% vs. standard PP homopolymers
- Low catalyst residuals
- Improved stiffness
- High crystallinity
- Improved dimensional stability
- Produced with a new non-phthalate based catalyst
- Down-gauging and cavitated film (higher stiffness)

Potential customer applications



Tobacco and food packaging film (improved WVTR)



Labels

Property	Method	Units	Adstif HA620J HP	Moplen HP520J HP
Catalyst			Non-phthalate	Non-phthalate
Melt flow rate (230 °C/2.16 kg)	ISO 1133-1	g/10 min	3	3
Flexural modulus (23 °C)	ISO 178	N/mm ²	1750	1450
Tensile stress at yield	ISO 527-1, -2	MPa	37	34
Tensile strain at yield	ISO 527-1, -2	%	9	11
Tensile stress at break	ISO 527-1, -2	MPa	21	21
Tensile strain at break	ISO 527-1, -2	%	100	600
Vicat (B50 50 °C/h 50 N)	ISO306/B50	°C	101	90
HDT B (0.45 MPa)	ISO 75 1-2	°C	110	95
Tm	ITM20149	°C	165	160
XS	ITM 20037	%	2	4.8

Typical properties, not to be considered as specifications

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