



JETEX Speciality Blacks for Plastic Film & Moulding Applications

KOHLENSTOFF® Carbon Blacks

Unleashing the Power of Creative Carbon Black

SPECIALITY BLACKS	PRODUCT DESCRIPTION	KEY APPLICATIONS
Applications Where Colouring or Protection Against UV Damage is Required		
JETEX 125	Utility carbon black for basic masstone and tinting with blue undertone and easy to disperse	<ul style="list-style-type: none"> • General moulded plastics • Commodity plastic films and sheets • Utility/non-regulated plastic pipes • Selected inks & dispersions
JETEX 145	Similar to JETEX 125 offering bluish masstone and morphology enabling higher loadings in masterbatch	<ul style="list-style-type: none"> • General moulding • General extruded films and sheets • Inks & dispersions
JETEX 175	Speciality carbon black providing a good balance of dispersability and colour/covering power. Provides more masstone and UV performance when compared to JETEX 125/145	<ul style="list-style-type: none"> • General purpose films, pipes, and other extruded articles • Utility and general moulded plastics applications • ASTM pressure pipe applications (non-ISO) • Coatings and printing inks
JETEX 105	Designed specifically for applications requiring UV protection to prevent damage from sunlight. Also offers good colour with blue undertone and covering power in a range of applications	<ul style="list-style-type: none"> • Multi-purpose utility film & sheet • Mulch and silage films • Irrigation pipe, tape & drip laterals
JETEX 107	Similar to JETEX 105 with improved physical cleanliness to reduce defects in final parts. Enables compliance with EU 10/2011 for food contact applications (non-FDA)	<ul style="list-style-type: none"> • Extruded, thin film and sheet for extended outdoor use including agricultural films and geosynthetics • Other extruded and/or moulded parts requiring high UV protection or black colour including those requiring food contact (per EU 10/2011 or similar)
JETEX 111	Good multi-purpose carbon black with lower structure enabling higher loadings in the masterbatch and as a pigment black in dispersions	<ul style="list-style-type: none"> • Multi-purpose film & sheet • General purpose moulded parts across a range of polymers • Inks and other dispersions
JETEX 300	High performing carbon black with excellent jetness and bluetone with good dispersibility in a range of polymers. Suitable for applications requiring particle size <25 nm.	<ul style="list-style-type: none"> • General purpose mouldings, such as for consumer goods and automotive parts • Pressure pipes or other extruded articles requiring protection from UV damage • Selecting inks and printing applications

Himadri Speciality Chemical Ltd.

Corporate Office: Ruby House 8, India Exchange Place, 2nd Floor, Kolkata 700 001, West Bengal, India
 Tel: +91 33 2230-4363/9953 | E-mail: carbonblack@himadri.com



Typical Values

Characteristics Units	I ₂ No. (g/kg)	Oil Absorption No. (cc/100g)	Tint (ITRB #3) (%)	Sieve Residue #325 (ppm)	Heating Loss (as packed) (%)	Ash (%)
ASTM No.	D-1510	D-2414	D-3265	D-1514	D-1509	D-1506
JETEX 125	32	86	60	25	1	0.2
JETEX 145	31	71	59	25	1	0.2
JETEX 175	42	120	55	15	1	0.2
JETEX 105	83	102	104	25	1	0.2
JETEX 107	82	103	104	10	1	0.2
JETEX 111	82	72	110	40	1	0.2
JETEX 300	125	105	105	20	1	0.2

Product Form & Logistics

- **Product Form:** Pellets
- **Regional Availability:** Global
- **Bag Packaging Options:** 25 kg polyethylene lined paper bags
- **Bulk Packaging Options:** Flexible Intermediate Bulk Containers (FIBC) depending on region



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