

Himadri

Himadri Speciality Chemical Ltd

Unleashing the power of Carbon

ASTM GRADE BLACKS	TYPE	APPLICATION AREA
Tyre Gold	It is a speciality black with improved morphological features and aggregate size distribution (ASD).	It is mainly used for tread application as well as retreading purpose of tyres. It provides balanced processing and service performance at same loading/amount while compared with N-234.
N115	It is a high fineness grade with medium structure and surface activity under super abrasion black.	It is good for tread compounds in off-road applications and truck tires.
N121	It is a high fineness, high structure grade with good surface activity under super abrasion black.	It is used in passenger or truck and bus tread compounds.
N134	It is a high fineness, high structure with high surface activity grade under super abrasion black.	It is mainly used in premium tread compound applications including high performance passenger tires or truck and bus tires with optimum treadwear and durability.
N220	It is a medium surface area, medium structure grade and an intermediate super abrasion black.	It is good for tread applications, primarily in truck tread compounds.
N234	It is a medium surface area and high surface area grade and a very good general purpose tread grade.	It is for many applications including premium radial tyre tread compound applications.
N326	It is a low surface area and low structure carbon black.	It is primarily used in steel wire-coat compounds for radial tires.
N330	It is a general purpose high abrasion carbon black.	It is used for many body compound applications in tires and rubber goods.



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N339	It is a medium surface area and high structure grade under high abrasion black.	It is good for general purpose tread compounds for passenger and truck tires and body compounds for truck tires.
N347	It is a medium surface area, high structure grade (i.e., it's structure is higher than N-339) under high abrasion black.	It is used for general purpose tread compounds mainly for passenger and truck tires and body compounds for truck tires.
N375	It is a medium surface area, low structure grade (i.e., it's structure is lower than N339) under high abrasion black.	It is used in general purpose tread compounds for passenger and truck tires.
N550	It is a medium surface area and structure and a general purpose fast extruding black.	It is used for body compounds in passenger tires and numerous mechanical rubber goods and specially in profiles.
N660	It is a lower surface area (compared to N550) and medium-low structure and a general purpose high modulus black.	It is used for body compounds in passenger tires, including innerliners, as well as numerous rubber goods e.g., injection molding.
N772	It is a semi reinforcing black with a low surface area and structure.	It is mainly used in innerliners of tires and numerous industrial rubber goods.
N774	It is a semi reinforcing black with a low surface area and structure (i.e., it's structure is slightly higher than N772).	It is used in innerliners of tires and numerous mechanical rubber goods.

Technical Specifications:

CHARACTERISTICS	UNITS	ASTM NO.	N-110	N-115	N-121	N-134	N-220	N-234	N-326	N-330	N-339	N-375	N-550	N-660	N772	N-774
I2 No.	(mg/g)	D-1510	145 ± 5	160 ± 5	121 ± 5	142 ± 5	121 ± 5	120 ± 5	82 ± 5	82 ± 5	90 ± 5	90 ± 5	43 ± 5	36 ± 5	30 ± 5	29 ± 5
DBP No. (OAN)	(ml/100g)	D-2414	113 ± 5	113 ± 5	132 ± 5	127 ± 5	114 ± 5	125 ± 5	72 ± 5	102 ± 5	120 ± 5	114 ± 5	121 ± 5	90 ± 5	65 ± 5	72 ± 5
CDBP (COAN)	(ml/100g)	D-3493	97 ± 5	97 ± 5	111 ± 5	103 ± 5	98 ± 5	102 ± 5	68 ± 5	88 ± 5	99 ± 5	96 ± 5	85 ± 5	74 ± 5	59 ± 5	63 ± 5
N2 SA	(m2/g)	D-6556	127 ± 5	137 ± 5	122 ± 5	143 ± 5	114 ± 5	119 ± 5	78 ± 5	78 ± 5	91 ± 5	93 ± 5	40 ± 5	35 ± 5	32 ± 5	30 ± 5
STSA	(m2/g)	D-6556	115 ± 5	124 ± 5	114 ± 5	137 ± 5	106 ± 5	112 ± 5	76 ± 5	75 ± 5	88 ± 5	91 ± 5	39 ± 5	34 ± 5	30 ± 5	29 ± 5
TINT (ITRB#2)	–	D-3265	123 ± 5	123 ± 5	119 ± 5	131 ± 5	116 ± 5	123 ± 5	111 ± 5	104 ± 5	111 ± 5	114 ± 5	60 ± 5	58 ± 5	57 ± 6	50 ± 5