RC-198

Small-Particle ABS High-Rubber Powder

TECHNICAL DATA SHEET TDS | Rev. 2026-10-02

Product Description

RC-198 is a small-particle ABS high-rubber powder. The source positions it for electroplating-grade ABS applications and for alloy systems requiring good heat resistance. Example application fields include automotive components, electrical/electronic parts and home-appliance components.

ABS System Test

Test formulation: SAN (LG80HF) / ABS High-Rubber Powder / PETS / 1010 = 75 / 25 / 0.5 / 0.5
Reference: Kumho HR-192

Property	Condition	HR-192	RC-198
Notched Izod	23°C	32 J/m	32 J/m
Tensile strength	50 mm/min	57.6 MPa	57.3 MPa
Elongation	-	12.0%	16.3%
Flexural strength	2 mm/min	85.9 MPa	86.1 MPa
Flexural modulus	-	2817	2846
MFR	220°C, 10 kg	10.52	19.4
Vicat	50 N, 50°C/h	94.4°C	93.2°C
HDT	1.8 MPa, 120°C/h	76.8°C	76.4°C
HDT	0.45 MPa, 120°C/h	89.1°C	88.3°C
Gloss	20° / 60° / 85°	53 / 87 / 99	57 / 89 / 100
Yellow Index	-	40.45	34.65

PC/AS Alloy Test

Test formulation: PC / SAN / ABS High-Rubber Powder = 65 / 25 / 10
Reference: Kumho HR-192

Property	Condition	HR-192	RC-198
Notched Izod	23°C	605 J/m	646 J/m
Notched Izod	-30°C	123 J/m	129 J/m
Yield strength	50 mm/min	63.57 MPa	63.13 MPa
Tensile strength	-	49.48 MPa	53.63 MPa
Elongation	-	104.67%	114.31%
Flexural strength	2 mm/min	102.2 MPa	104.4 MPa
Flexural modulus	-	2931	3050
MFR	260°C, 5 kg	12.94	16.91
Vicat	50 N, 50°C/h	123.8°C	122.5°C
HDT	1.8 MPa, 120°C/h	97.0°C	95.8°C
HDT	0.45 MPa, 120°C/h	122.0°C	120.8°C

The source also contains a 260°C heat-retention comparison at 0, 10 and 20 minutes. Those data are available for deeper technical review. All comparisons are formulation-specific.

Packaging

Item	Information
Standard packaging	20 kg/bag

Other commercial conditions should be confirmed in the current quotation; they are not inferred in this TDS.

Qualification & Disclaimer

Application-test data in this document are formulation-specific. They do not constitute a universal product specification, guaranteed equivalence, or finished-part performance warranty. Customers should qualify the material in their own resin grade, formulation, processing conditions and finished-part requirements.

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