RC-756

Silicone-Rubber-Core Impact Modifier for PC & PC/ABS

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

Product Description

RC-756 is a silicone-rubber-core impact modifier for PC and PC-alloy evaluation. The available technical source positions this grade for low-temperature impact performance and hydrolysis resistance.

Key Evaluation Areas

Area	Technical Positioning
Resin systems	PC; PC/ABS evaluation
Core	Silicone rubber
Performance focus	Low-temperature impact performance; hydrolysis resistance

PC Application Performance

Test formulation: PC / RC-756 / PETS / 1010 = 95 / 5 / 0.5 / 0.5
Processing used in the source test: twin-screw extrusion 260-270°C, die 270°C, 400 rpm; injection 260-270°C, nozzle 280°C, mold 80°C.

Property	RC-756
Izod impact, 23°C	778 J/m
Izod impact, -30°C	685 J/m
Tensile strength	67.2 MPa
Elongation at break	128.5%
Flexural strength	91.8 MPa
Flexural modulus	2548 MPa
HDT, 1.8 MPa	120.3°C
Vicat, 50 N / 50°C/h	140.8°C
MFR, 300°C / 1.2 kg	9.51 g/10 min
Gloss, 60°	105
L	90.54
a	-0.85
b	1.95
Yellow Index	2.85

These values are specific to the documented formulation and test conditions. They are not guaranteed intrinsic properties for every customer formulation.

Processing Reference

Process	Starting Conditions
Twin-screw extrusion	260-270°C; die 270°C; 400 rpm
Injection molding	260-270°C; nozzle 280°C; mold 80°C

Use these conditions only as a starting reference. Optimize for the customer's resin grade, equipment and finished-part requirements.

Comparable-Grade Evaluation

RC-756 may be considered for technical evaluation in applications where silicone-rubber-core impact modifiers with similar positioning are used. Customer qualification is required. This TDS does not claim chemical identity, guaranteed equivalence or drop-in replacement to any third-party grade.

Packaging & Supply

Packaging	20 kg/bag; PE inner liner + PP woven outer bag
MOQ	1 MT
Sample	5 kg free sample; customer pays freight
Lead time	7-10 days after order, before shipment/loading
Main export port	Qingdao, China
Container reference	20GP: 14 MT / 700 bags; 40GP: 24 MT / 1,200 bags

Technical Documents

Request the current product specification, current batch COA, SDS and transport documentation as required. No batch COA values are inferred from other RC grades.

Disclaimer

The data shown are application-test results from the available technical source. Actual performance depends on resin grade, formulation, processing and test conditions.

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