

RITFLEX® 663HS | TPC | Unfilled

Description

Riteflex 663HS is a heat stabilized, nominal 63 Shore D thermoplastic polyester elastomer with medium modulus

Physical properties	Value	Unit	Test Standard
Density	1220	kg/m ³	ISO 1183
Melt flow rate (MFR)	16	g/10 min	ISO 1133
MFR test temperature	240	°C	ISO 1133
MFR test load	2.16	kg	ISO 1133

Mechanical properties	Value	Unit	Test Standard
Flexural modulus (23°C)	265	MPa	ISO 178
Flexural strength (23°C)	8.5	MPa	ISO 178
Charpy impact strength @ 23°C	102.0	kJ/m ²	ISO 179/1eU

Thermal properties	Value	Unit	Test Standard
Melting temperature (10°C/min)	207	°C	ISO 11357-1,-2,-3

Mechanical-TPE properties	Value	Unit	Test Standard
Strain at break	304	%	ISO 527-1/-2
Stress at break	25	MPa	ISO 527-1/-2
Shore D hardness (15s)	60	-	ISO 868

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General Disclaimer

NOTICE TO USERS: Values shown are based on testing of laboratory test specimens and represent data that fall within the standard range of properties for natural material. These values alone do not represent a sufficient basis for any part design and are not intended for use in establishing maximum, minimum, or ranges of values for specification purposes. Colorants or other additives may cause significant variations in data values.

Properties of molded parts can be influenced by a wide variety of factors including, but not limited to, material selection, additives, part design, processing conditions and environmental exposure. Any determination of the suitability of a particular material and part design for any use contemplated by the users and the manner of such use is the sole responsibility of the users, who must assure themselves that the material as subsequently processed meets the needs of their particular product or use.

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We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and entrust the handling of such material to adequately trained personnel only. Please call the telephone numbers listed (+49 (0) 69 30516299 for Europe and +1 859-372-3244 for the Americas) for additional technical information. Call Customer Services for the appropriate Materials Safety Data Sheets (MSDS) before attempting to process our products.

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