

PRIMALLOY® A1704

Thermoplastic Elastomer

Mitsubishi Chemical Performance Polymers, Inc.



General

Material Status	• Commercial: Active		
Availability	• Asia Pacific	• Europe	• North America
Features	• Good Moldability		
Appearance	• Black	• Natural Color	

Physical	Nominal Value Unit	Test Method
Density	1.09 g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0 g/10 min	ISO 1133
Molding Shrinkage ²		Internal Method
Across Flow: 2.00 mm	0.80 %	
Flow: 2.00 mm	1.4 %	

Elastomers	Nominal Value Unit	Test Method
Tensile Stress (Break)	8.00 MPa	ISO 37
Tensile Elongation (Break)	500 %	ISO 37
Compression Set ³ (70°C, 22.0 hr)	67 %	ISO 815

Hardness	Nominal Value Unit	Test Method
Shore Hardness (Shore A)	80	ISO 7619

Notes

¹ Typical properties: these are not to be construed as specifications.

² 120x120x2 mm test plaque

³ 6 sheets (each thickness = 2mm)