



# شركة المطاط العالمية ذ.م.م. INTERNATIONAL RUBBER COMPANY (L.L.C.)

## Data Sheet Rubber Moulded Parts

IRC Moulded Rubber Products comprise wide range of Polymer use, i.e. EPDM, Silicone, Neoprene, Nitrile, SBR and NR. Compounding is done to meet relevant BS, DIN and ASTM Standards to achieve best performance.

Production of Rubber Moulded Products is done by Compression and Transfer Moulding process followed by automatic Deflashing.

In the Transfer Moulding process rubber compound is transferred under pressure into the mould cavity and allowed to fill the cavity obtaining the shape of the mould and cross-linked by using the platen temperature, finally product is formed in the required shape. In compression Moulding process compound is pressed under sufficient hydraulic pressure to obtain mould cavity shape and compaction while curing process in progress.

### General Physical Properties

Properties	Specifications	Test Method
Tensile Strength	10.5 MPa Min.	ASTM D412
Elongation at Break	300 % min.	ASTM D412
Hardness (Shore A)	65 – 75° A	ASTM D2240
Compression set	25 % Max.	ASTM D395
Accelerated Aging		ASTM D573
Decrease in Tensile Strength	15 %	
Decrease in Elongation	20 %	
Ozone Resistance 100PPM for 96 Hrs at 20% Stretch at 40° C	No cracks when Seen at 10X magnification	ASTM D1149
Joint Strength	To Withstand 100% Elongation and 180 Rotation without any visible sign of separation	ASTM C 443M

**International Rubber Co.** has capacity to make different types of moulded items for different industries in Middle East Region. With in-house Tool Room and R & D facilities the response time for new developments is very short.



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