شـــركـــة المـطاط العالميـــة ذ.م.م.

INTERNATIONAL RUBBER COMPANY (L.L.C.)

Data Sheet

REKA RINGS FOR PIPE JOINTS

(For continuous hot water supply up to 110°C)

IRC Moulded Reka ring for pipe joints comprise wide range of Polymer use, i.e. EPDM, SBR. 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 transfered 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
(BS EN 681-1)

Properties	Specifications	Test Method
Tensile Strength	9 MPa Min.	ISO 37
Elongation at Break	200 % Min.	ISO 37
Hardness (Shore A)	65 – 75° A	ISO 48
Compression set, 24 hrs at 125°C @ 72 hrs at 23°C	20 % Max 15% Max	ISO 815
Accelerated Aging 7 days at 125°C Change in Tensile Strength Change in Elongation Change in Hardness	 - 20 % Max +10 to -30% Max +8 to -5 Max	ISO 188 ISO 37 ISO 37 ISO 48
Ozone Resistance 50PPM for 48 Hrs at 20% Stretch at 40° C & 55% RH, pretension 72 hrs	No cracks when viewed without magnification	ISO 1431-1
Volume change in water, 7 days at 95°C	+8 to -1 Max	ISO 1817
Tear Strength	20 N Min.	ISO 816

Storage Conditions : The storage temperature should be below 25°C and away from direct sunligt. Storage should be done in clean and tension free state away from chemicals.

International Rubber Co. has capability and 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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