

Data Sheet

OP20555 60° Shore Nitrile Rubber Sheeting for Technical Applications

Data Sheet Type	Final
Material Reference	OP20555
Polymer	NBR
Date Issued	20/05/24



Description

60° Shore Nitrile(NBR) Rubber Sheeting for Technical Applications

Specifications	Values	Test Methods
Compression Set(22 Hours @ 70°C)	30 %	ASTM D395 Method B
Elongation at Break	350 %	ASTM D412
Heat Ageing - Change in Elongation @ Break	< -40 % 72 Hrs @ 70 ° C	ASTM D412
Heat Ageing - Change in Hardness	+5 ° Shore 72 Hrs @ 70 ° C	ASTM D2240
Heat Ageing - Change in Tensile Strength	< -15 % 72 Hrs @ 70 ° C	ASTM D412
Highest Recommended Working Temperature	110 °C	None
Lowest Recommended Working Temperature	< 25 °C	None
Oil Swell IRM901	< 5 (70Hr @70°C) %	None
Oil Swell IRM903	< 20(70Hr @70°C) %	None
Shore Hardness (Shore A)	60 ° Shore	ASTM D2240
Specific Gravity	1.28 g/cm 3	ASTM D2240
Tear Resistance	25 N/mm	ASTM D624 Die C
Tensile Strength	10 MPA	ASTM D412

Purposes



Acid Resistance



Oil Resistance

Important Notes about this Material Data Sheet

This datasheet has been carefully compiled to advise you, our customer, in the best possible way. The information, figures, test values, and data correspond to actual engineering standards and are the result of many years of tests and trials. As individual operating conditions influence the application of each product, the information supplied in this datasheet can only be seen as a rough guideline. In every case it is the sole responsibility of the customer to evaluate his individual requirements, in particular whether the specified properties of our products are sufficient for the intended use. This datasheet is subject to alteration without prior notice. All mentioned values contained herein are guiding values representing long-term experience averages. Please be aware that Test Results for individual Material Batches will only be provided if requested at the time of order and may be subject to additional charges and/or lead times. This Data Sheet supersedes all previous data sheets and any other data previously provided either Verbally, Electronic or Written, with reference to the above Material Grade.